The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

SEPTEMBER 5 1959

HE BEST SELLER
IN THE FIELD

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WIDELY ADVERTISED
IN THE FIELD

NSUMER
PRICE REDUCTION

EW
RESEASONAL
ONUS OFFER

the nicest way
to keep colds at bay

Haliborange
TABLETS
...just one a day

ALL THIS

+NEW
SALES
COMPELLING
PACKS

For Adults and Children
Haliborange
TABLETS
REDUCED 3D
NEW PRICE 3/6
...just one a day

DOSAGE:
the nicest way to keep colds at bay
For Adults and Children
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NEW PRICE 10/9
CONTAIN THE THREE PROTECTIVE VITAMINS A
FOR THE MAINTENANCE OF HEALTH

ALLEN & HANBURYS LTD

FINE CHEMICALS

and pharmaceuticals

Specification sheets for each of the products listed are available on request.

ALOIN
CAMPHOR MONOBROMIDE
CHLORAL HYDRATE
CHLOROFORM
CHRYSAROBIN
ERGOT PREPARED
ETHER ANÆSTHETIC
ETHER SOLVENT
DRY EXTRACT OF CASCARA SAGRADA
EXTRACT OF MALE FERN
FERRIC AMMONIUM CITRATE
FERRIC QUININE CITRATE
SACCHARATED FERROUS CARBONATE
SACCHARATED FERROUS PHOSPHATE
JALAP RESIN
JALAP PREPARED
JALAPIN
MAGNESIUM TRISILICATE
OLEORESIN OF CAPSICUM
OLEORESIN OF GINGER
PODOPHYLLUM RESIN
POTASSIUM CITRATE
SALIGENIN
SCAMMONY RESIN
SODIUM CITRATE
SODIUM TAUROGLYCOCHOLATE

SMITH
OF EDINBURGH

HIGHEST TOLERATION

PRACTICAL DOSAGE COMBINATIONS

SATISFACTORY CLINICAL RESPONSE

Physicians therefore specify

Calcium B-PAS WANDER

and

B-Pasinah WANDER

(calcium B-PAS Wander plus isoniazid)

in the domiciliary

Chemotherapy of Tuberculosis

B-PAS (Wander), 4-benzoylamino-2-hydroxybenzoic acid, first introduced by our Research Laboratories in 1948, is the drug of choice in regimens comprising PAS in concurrent therapy.

In the form of its calcium salt, it induces only minimal side-effects as compared with sodium PAS, and because of its high acceptability guarantees as far as possible that domiciliary patients take their medication.

CALCIUM B-PAS (Wander)

Powders: Tins of 100 and 500 x 3.5g. envelopes
Cachets: „ „ 100 and 500 x 1.0g.

Also available: Sodium B-PAS (Wander)
Cachets: Tins of 80 and 400 x 1.5 g.

'B-PASINAH' (B-PAS Plus Isoniazid)

Powders: Calcium B-PAS (Wander) 3.5g.
Isoniazid .. .. .. 87.5mg.
Tins of 100 and 500

Cachets: Calcium B-PAS (Wander) 1g.
Isoniazid .. .. .. 25mg.
Tins of 100 and 500

Price details of all forms of PAS from the Medical Dept.

All Wander tuberculostatic products are available from usual wholesalers or direct from

A. WANDER LIMITED, 42 UPPER GROSVENOR ST., GROSVENOR SQ., LONDON, W.1

T56
A

We hold comprehensive stocks of

ETHICALS
PROPRIETARIES
COSMETICS

ETHICAL POST ORDERS DEALT WITH QUICKLY AND EFFICIENTLY

An Excellent Range of **CHRISTMAS LINES** is now displayed in our Show Room or can be shown to you by our Representative who will be pleased to call at your request.

BUTLER & CRISPE LTD.

Established 1777

80/84 CLERKENWELL ROAD, LONDON, E.C.1

Telephone: CLErkenwell 3060 (15 lines). *Open until 5.30 for orders.*

We help create the sales

Cow & Gate products provide for mothers and mothers-to-be before, during and after Baby is born. By our established continuity of advertising in the National, Provincial Press and the use of full colour pages in the Magazine Press we help to bring customers to you. Make sure you are well stocked up to meet the ever increasing demand.

We shall be pleased to send you attractive display matter if you will let us know your requirements.

Please address your enquiries to

Cow & Gate Ltd. (Dept. C.D.) Guildford, Surrey.

5801

COW & GATE MILK FOOD

The FOOD of ROYAL BABIES

Our Export Offer

Finest toilet soaps
also cheapest qualities
any kind of washing soap
eau-de-cologne and
lavender water, perfumes

You are invited to write for our catalogue

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GERMAN DEMOCRATIC REPUBLIC

BELMONT
ELECTRIC BLANKETS

33⅓% PROFIT

ON RETAIL—EXCLUSIVE TO CHEMISTS—GUARANTEED 2 YEARS

'BEL-STAT' & 'BEL-THERM'

Thermostatic and Non-thermostatic, 36" wide to suit single or double beds. Meet all your requirements with only 2 models at competitive prices.

Through our Agents or direct from:—

BELMONT MANUFACTURING CO.
7 JAMES STREET SOUTH · BELFAST

Derbac

the proved remedy for 'trouble in the hair'

ROBERTS WINDSOR LTD, LONDON, WINDSOR, NOTTINGHAM

Dyanese
FADELESS DYES

3d. STOCKING (except Black) ..	27/- gross
4½d. COLD WATER, CURTAIN and Black Stocking Dyes ..	41/- gross

Order Dyes and Shade Cards from our Agents
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Esbron (REGD)
LUNG TONIC & TROCHES

For COUGHS, COLDS, CHEST & THROAT ailments and also for ASTHMA and BRONCHITIS.

GET YOUR STOCKS IN NOW READY FOR THE AUTUMN DEMAND

Troches	(1/6)	3 doz. 9/-.	Doz. 9/2
Mixture	(2/-)	3 doz. 12/9.	Doz. 13/-
	(3/3)	3 doz. 20/8.	Doz. 21/-

BROOK, PARKER & CO. LIMITED
ASHFIELD, BRADFORD

TRADE **'VERLOG'** MARK

SURGICAL ELASTIC HOSIERY
Belts, Trusses, Suspensory Bandages, etc.

ATHLETIC SUPPORTS
Knee Caps, Anklets, Jockstraps

THOS. GLOVER & SON, LTD., CARLTON, NOTTINGHAM
Tel.: 58227 (2 lines). 'Grams: Verlog, Nottingham

Top-Selling Rodenticides

RODINE

Rodine Phosphorus, Rodine Red Squill,
Rodine Warfarin (Ready-to-use or Concentrate),
and Special Rodine Mouse Warfarin.

THOMAS HARLEY LTD., RODINE WORKS, PERTH, SCOTLAND

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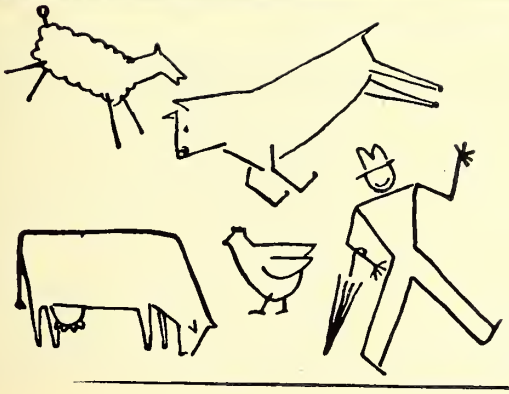
Quality controlled Technical literature available.

for pharmaceutical use and as human and animal food additives



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MERSALYL
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Competitively priced—quotations on request.
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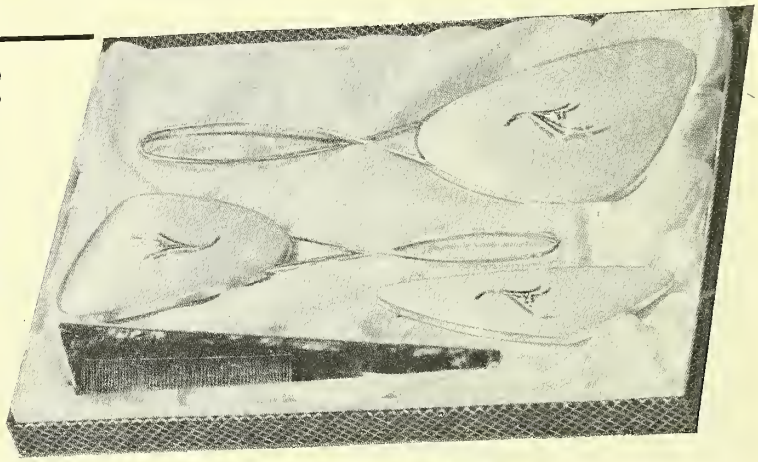
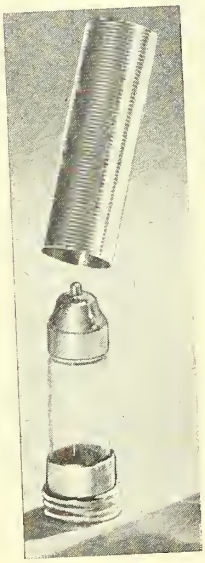
Wonderful Gifts!

selected from
A. S. BROWN'S
popular range of Beauty Accessories

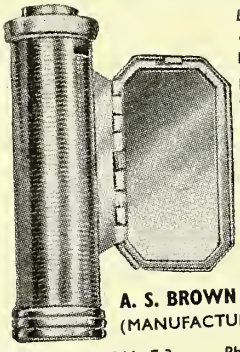




Above:
"Mascot" Perfume Dispenser. High gloss gilding metal. Self-sealing. Ideal for the pocket or handbag.

Above:
"Mascot" Contemporary Brush Set. A successful break away from traditional styles.
In silk-lined Gift Box. Matching Accessories available.

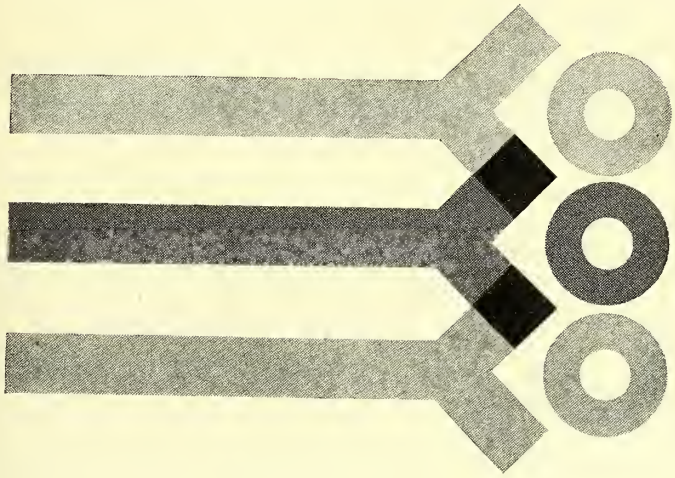
Left:
"Fortuna" Gift Set Consisting of Compact for solid powder and combined Mirror Lipstick.
Gilt and imitation Tortoiseshell studded with brilliants. In transparent horseshoe pack.



Left:
"Fortuna" Mirror Lipstick.
Mirror flips open at press of button. Takes most brands of automatic refill.
Wide choice of finishes.
In black silk pochette and decorative box.

A. S. BROWN & CO.
(MANUFACTURING) LTD.
79-83 COBORN ROAD, BOW, LONDON, E.3. *Phone: Advance 2617*

'Darenthin'



a fundamental advance
in the treatment of
hypertension

'Darenthin', an original discovery by Wellcome research workers, provides a new approach to the problem of hypertension. Its action, that of sympathetic inhibition, is a conspicuous advance on former methods of treatment. 'Darenthin' is issued as scored compression-coated tablets of 200 mgm.

Bottles of 100, 37*s.* 0*d. net (plus purchase tax)*
Bottles of 500, 175*s.* 0*d. net (plus purchase tax)*

'Darenthin' BRAND

Bretylium Tosylate

BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON

Freddie Trueman THE *NEW*

TV CAMPAIGN BEGINS SEPTEMBER 5TH WILL AVERAGE **20 MILLION VIEWERS EVERY WEEK**

This is the TV campaign everyone will talk about: Freddie Trueman, idol of Yorkshire and England, will demonstrate the speed and power of the New Remington by shaving off his tough beard in hard-hitting Remington one-minute commercials. Freddie Trueman grew this beard specially to help all Remington dealers sell the shaver with the biggest profit.

FULL-PAGE AND FULL-PAGE-BY-4-COLUMN ADS IN THE DAILY MIRROR

will feature these famous sporting personalities: Freddie Trueman, John Surtees, Mel Charles and Jimmy Hill.

LINK UP WITH THIS TREMENDOUS CAMPAIGN

using striking display material and dealer advertisements. Send now for details.

will help you sell REMINGTON

STOCK UP NOW to meet the big demand!

Nation-wide

Half page in the **DAILY EXPRESS**
and full pages in leading magazines

At last! *all the care your hands will ever need*—**atrixo**

protects

lets the skin breathe

beautifies

atrixo
the amazing new hand care discovery

triple-action that works a near miracle

Hand creams come and go. Sensational new Atrixo is here to stay!

Atrixo works three ways to make your hands lovelier . . . protects—beautifies—and lets the skin breathe. Use Atrixo—the merest film is enough—before and after every job that could be unkind to pretty hands. Keep a tin on the kitchen shelf . . . in the bathroom . . . in the office desk . . . and give your hands complete care . . . Atrixo care—*all the care they'll ever need.* Send off the coupon today for a free sample!

FREE SAMPLE

Have you tried magic new **atrixo**
ALL THE CARE YOUR HANDS WILL EVER NEED

At last!
all the care your hands will ever need—
atrixo

protects

lets the skin breathe

beautifies

atrixo

triple-action that works a near miracle

miraculous triple-action discovery

launch campaign for *New* atrixo

THE MIRACULOUS TRIPLE-ACTION

HAND CARE DISCOVERY

Dynamic whole pages in leading magazines—Woman, Woman's Day, Woman's Realm, Woman's Weekly and Woman's Illustrated—plus an entire half page in the Daily Express, make the first impact with the ATRIXO story in September-October.

THREE-WAY BEAUTY

Sensational new ATRIXO works *three* ways to make hands lovelier . . . protects . . . beautifies . . . and lets the skin breathe at the same time! Used before and after every messy job, the merest film of ATRIXO keeps hands pretty all the working day.

ATRIXO advertising goes full steam ahead right through the winter, keeping interest at its peak. These advertisements will be seen by millions of women during the cold months when hands need more care than ever, so be sure *you* have ATRIXO in stock when they come to ask for it.

STAGE A GAY DISPLAY

New ATRIXO comes to you in pleasing tins and dispensers, planned to make an attractive, compact splash of colour on your counter. Showcards and window stickers help to arrest attention and tie in *your* display with the national advertising. Remember, ATRIXO care is complete care . . . all the care a woman's hands can ever need. Place your order NOW.

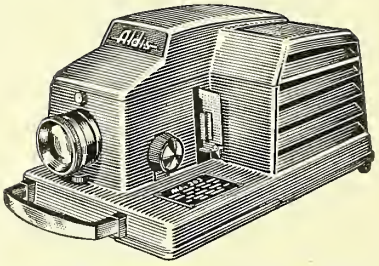
SMITH & NEPHEW LIMITED, BESSEMER ROAD, WELWYN GARDEN CITY, HERTS a new S&N product

For good Autumn

NEBRO

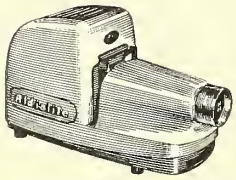
Build your Autumn sales with these well-advertised photographic lines. In addition to consistent advertising in the photographic press, Aldis projectors are being advertised in 180 National, provincial and local newspapers during September and October.

Nebro products are easy to sell, and safe to recommend: they are recognised by photographers everywhere as the best photographic equipment at the right price.



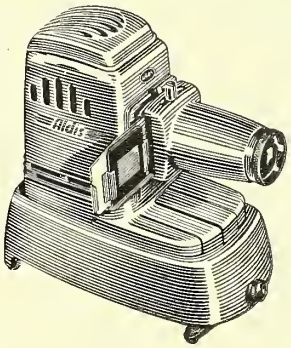
ALDIS 303 has 300w. illumination, suction cooling, Aldaspheric optical system with 8.5 cm. f/2.5 Anastigmat lens and 2"x 2" slide carrier. Complete with protective cover. **£19.19.0**

300w. lamp £1.13.0.



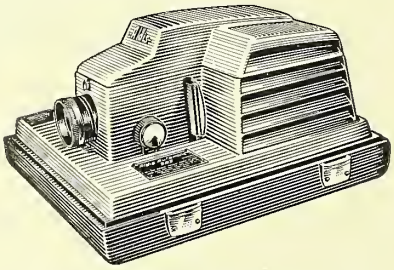
ALDISLITE projects a 5 ft. picture in an ordinary room, has 100w. illumination, and automatic slide ejection. **£9.18.6**

100w. lamp 16/6.



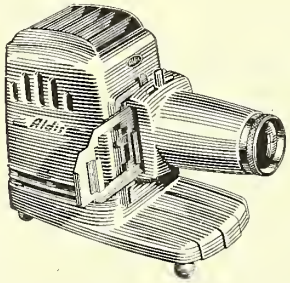
ALDISETTE 3 is a blower-cooled projector with 300w. illumination, 8.5 cm. f/2.5 Anastigmat lens, on/off switch and 2"x 2" slide carrier. **£19.19.0**

300w. lamp £1.13.0.



ALDIS AUTOMATIC has 500w. illumination, remote controls for focusing and slide changing, suction cooling, special Aldaspheric optical system. Complete with Airequipt magazine, carrying case and standard slide carrier. **£37.17.6**

500w. lamp £2.15.0.

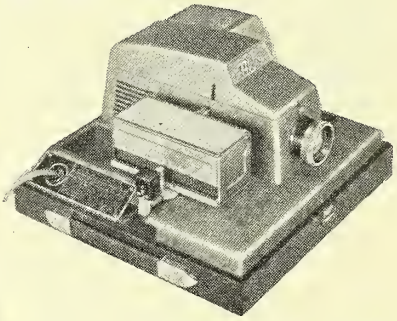


ALDISETTE 2 is a convection-cooled 150w. projector with 8.5 cm. f/2.5 Anastigmat lens, giving a 5 ft. picture at 12 ft. or a much bigger picture in a larger room, with 2"x 2" slide carrier. **£15.15.0**

150w. lamp £1.1.9.

SUPER ALDISETTE gives even bigger and brighter pictures. Takes 500w. miniature lamp specially developed for this model, has suction cooling, 8.5 cm. f/2.5 Anastigmat lens, and 2"x 2" slide carrier. **£25.17.6**

500w. lamp £2.2.0.



ALDIS AUTOMATIC DE LUXE has all the above features, plus a built-in interval timer which enables the projector to work itself. Complete with carrying case, Airequipt magazine, standard slide carrier and 500w. lamp. **£52.10.0**

ALDIS 500 has blower cooling and 500w. illumination. Complete with 8.5 cm. f/2.5 Anastigmat lens and 2"x 2" slide carrier. **£21.0.0**

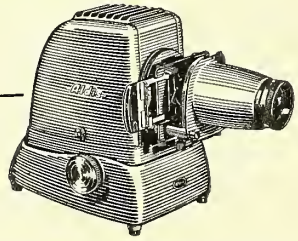
Also available with 10 cm. f/2.8 lens. **£22.19.6**

500w. lamp £2.4.6.

ALDIS 5-STAR 1000 is designed to take 1000, 750, 300 or 250w. lamp. Powerful blower-cooling, 10 cm. f/2.8 Anastigmat lens and 2"x 2" slide carrier. **£29.18.6**

Also available with 15 cm. lens. **£34.2.6**

1000w. lamp £2.19.6.



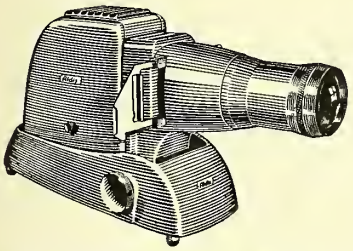
ALDIS 300 is a convection-cooled 300w. projector with 8.5 cm. f/2.5 Anastigmat lens (giving a 5 ft. picture at 12 feet) and 2"x 2" slide carrier. **£16.16.0**

Also available with 10 cm. f/2.8 lens. **£18.15.6**

300w. lamp £1.14.3.

PLACE YOUR ORDERS NOW!

photo business!

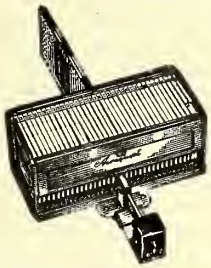


ALDIS SUPER SIX 300 projects both 2¾"x2¼" and 35 mm. transparencies. Maximum screen brilliance even in a normally-lighted room. With 6" f/2.8 Anastigmat lens and 2¾"x2¾" slide carrier. **£28.15.0**

300w. lamp £1.14.3. 2"x2" slide carrier £1.17.0.

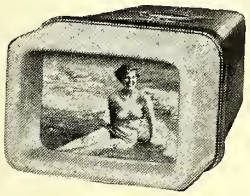
ALDIS SUPER SIX 1000 Designed for large halls and lecture rooms, has built-in blower unit and gives 1000w. illumination. With 6" f/2.8 Anastigmat lens and 2¾" x 2¾" slide carrier. **£42.0.0**

1000w. lamp £2.19.6.

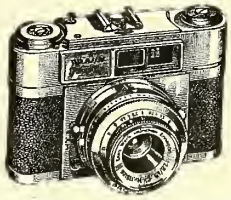


AIREQUIPT Automatic Slide Changer for trouble-free storage and projection of 2"x2" slides. Fits Aldis projectors and many other makes. With one 36-slide magazine. **£4.15.0**

Extra magazines 14/9 each.



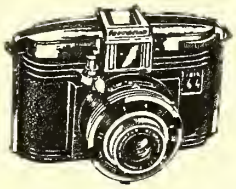
ALDIS 'MAGICOLOR' VIEWER enlarges 35 mm. or Bantam size transparencies four times. Complete with batteries and storage box to take viewer and 48 slides. **78/9**



PAXETTE IL Precision-made 35mm. camera by Carl Braun of Nuremburg with f/2.8 extra wide aperture Enna-Werk Anastigmat lens Prontor S.V.S. 9-speed light-value shutter, and super-luminous viewfinder **£20.7.1**

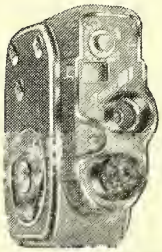
PAXETTE 2L has coupled range-finder and is available with a choice of four f/2.8 lenses. Coupled wide-angle and telephoto lenses are also available. Prontor S.V.S. shutter and super-luminous viewfinder.

Prices from **£32.12.2**

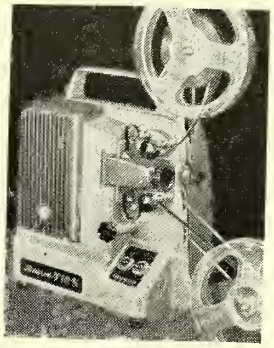


FERRANIA IBIS 44. An inexpensive, but exceptionally well-made camera, taking 12 pictures (4 x 4 cm.) on 127 roll film. Ferrania f/7.7 65 mm. acromatic lens: speeds 1/100, 1/50 and B. **£4.14.10**

IBIS 34. Similar in appearance and quality to IBIS 44 but takes 16 pictures (3 x 4 cm.) on 127 roll film. **£4.7.2**



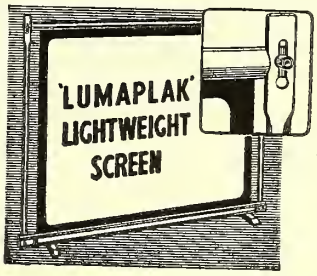
BAUER 88B is a double-eight cine camera with lens-coupled photocell exposure meter, Schneider Xenoplan f/1.9 lens, 4 speeds and single picture device. Parallax-corrected viewfinder. **£62.14.5**



BAUER T 10 L 8 mm. projector giving exceptionally large pictures in a small room. Kiptagon f/1.4 16 mm. lens, special optical system, 12v. 100w. lamp. **£39.0.0**

T 10 S With socket for synchronised sound coupling. **£45.0.0**

Protective cover 35/-



Easy to erect—sturdy construction—high quality finish—remarkable value. Stands on its own feet or may be hung from picture rail or hook. In matt white or glass-beaded finish, sizes from 26" x 20" to 83" x 63".

Prices from **£2.2.0**

NEBRO

Sole Wholesale Distributors:

NEVILLE BROWN & CO. LTD. 77 NEWMAN ST., LONDON, W.1

Tel.: LAN 7161 (10 lines)

Trade Counter: 3 BERNERS MEWS, W.1 (rear of building)

Now White Andrex in the NEW wrapper

ANDREX is the top-selling soft toilet tissue—and now, for *extra* sales appeal, white Andrex will shortly come in a new wrapper to match the coloured Andrex flower packs. (Single roll 1/3, 2-roll economy pack 2/4.)

Both single and 2-roll packs of white Andrex have the brand new daisy-scattered wrapper—just another step forward in the search for perfection that makes Andrex the most luxurious toilet tissue in the world.

Put Andrex on display—it sells itself. And you can make *up to* 37% *profit* on Andrex with Bowater-Scott discount terms.

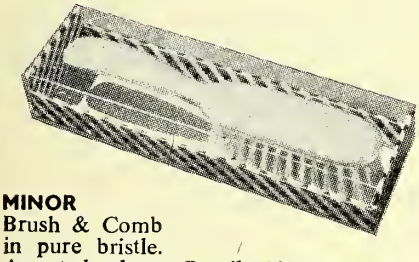
MAKE SURE YOU PROFIT FULLY FROM THE BOWATER-SCOTT RANGE. EXTRA DISCOUNTS START AT ONLY 2 CASES.

The most luxurious toilet tissue in the world **Andrex**

Made in England

ANOTHER FINE PAPER PRODUCT BY BOWATER-SCOTT

...TIME to order YOURS NOW!

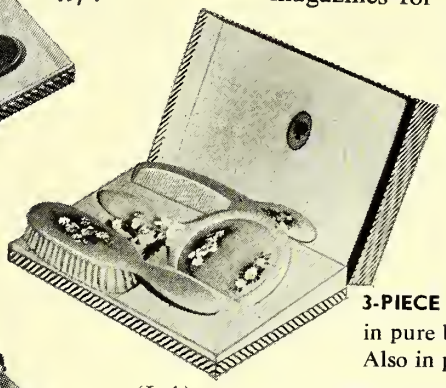


MINOR
Brush & Comb
in pure bristle.
Assorted colours. Retail **16/6.**
Also in pearl white, hand painted. Retail **19/3.**

PURE BRISTLE
Hughes BRUSHES
for the Christmas trade

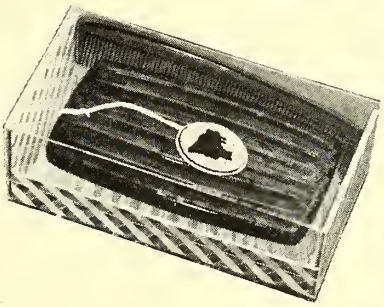
FROM THE MAKERS of the famous DOLPHIN and SWAN bath and nail brushes, DUCK clothes brush, and novelty BIRD BABY BRUSH, Hughes Brushes will be advertised in leading women's magazines for Christmas buying. All styles are also supplied in nylon as well as bristle. Order from your usual wholesaler. For full catalogue write to:—HUGHES BRUSHES, LTD., 32 AJAX AVENUE, SLOUGH, BUCKS.

RADIAL
Brush & Comb
in pure bristle.
Assorted colours.
Retail
19/-.



3-PIECE SATIN-GLO SET
in pure bristle. Assorted colours. Retail **34/-.**
Also in pearl white, hand painted. Retail **47/6.**

(*Left*)
SATIN-GLO
Brush & Comb
in pure bristle.
Assorted colours.
Retail **31/-.**
Also in pearl
white, hand
painted.
Retail **37/6.**



MAGIC MILITARY
Brush & Comb.
Imitation tortoiseshell.
Retail **16/3.**

ORDER FORM FOR HUGHES BRUSHES

To (usual wholesaler) .....

.....

.....

..... Only MINOR Brush & Comb	@ **112/1**+P.T.....
..... ,, ,, ,, ,, ,, hand painted	@ **132/2** ,, ,, ...
..... ,, RADIAL Brush & Comb	@ **130/3** ,, ,, ...
..... ,, SATIN-GLO Brush & Comb	@ **210/10** ,, ...
..... ,, ,, ,, ,, ,, ,, hand painted	@ **257/7** ,, ,, ...
..... ,, ,, ,, 3-piece set	@ **234/–** ,, ,, ...
..... ,, ,, ,, ,, ,, ,, hand painted	@ **324/6** ,, ,, ...
..... ,, MAGIC MILITARY Brush & Comb	@ **110/9** ,, ,, ...

I attach also order for other goods from catalogue.

Name.....

Address.....

Date.....

12,000,000 DAILY EXPRESS READERS WILL SEE DYNAMIC STERADENT ADS

REGD.

. . . and this means millions of potential customers for YOU !

Yes, on 10th September a powerful Steradent half-page advertisement will appear in the Daily Express—mass-circulation national with influence second to none!

Over 12,000,000 readers—they'll *see* the Steradent ad. because it's a striking, picture-full half page, and they'll *read* it because it's packed with absorbing, graphically written information about just how Steradent makes dentures cleaner, fresher, safer and more comfortable.

Did you know that there are over 17,500,000 denture-wearers in this country? All this means millions more potential Steradent customers for you.

But don't delay. The 10th September is nearly here.

So stock up at once with new-formula Steradent and send your profits leaping

STOCK UP NOW WITH

FORMULA 21

Biggest Autumn Campaign for any slimming product

STARTING THE SECOND WEEK IN **SEPTEMBER**

★ **Massive peak-viewing TV advertising — on every station compelling new 30-second spots — week in, week out!**

★ **Brilliant, full-colour attack in leading women's magazines.**

FULL COLOUR WHOLE PAGES IN **VOGUE**
FULL COLOUR HALF PAGES IN **WOMAN'S REALM**
WOMAN'S OWN **WOMAN'S DAY**

Outstanding promotion scheme links
FORMULA 21
with Norman Hartnell
Britain's leading dress designer

Exclusively designed by Norman Hartnell for our advertisements, the FORMULA 21 suit will be displayed — and bought — in fashion stores throughout the country. *And every model will carry* the FORMULA 21 *swing ticket!*

Facts and figures

Sweeping, dramatic, *sales-compelling* — our brilliant TV and Press Advertising will appeal direct to *every* woman — even if she's never slimmed before! Millions will know they can achieve new youth and beauty with FORMULA 21 — *for only one shilling a day! You* can't afford to miss this vast, growing market. FORMULA 21 ensures you bigger sales, bigger business, bigger regular profits.

***STOCK UP WITH FORMULA 21* TODAY!**

YOU MAKE 5/3 PROFIT ON EVERY TIN!

For telling, *selling* point of sale displays, write *now* to :-

GREENWOOD LABORATORIES LTD, 84 Albert St., London N.W.1., or ring EUS 6002

The Perfumes and Cosmetics of

JACQUES FATH

Announcement by

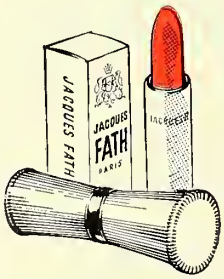
Cullingford of Chelsea

Sole Distributors in the U.K.

for the products bearing

the famous name

'Jacques Fath'



- **Additional stockists are now being selected.**
- **Stockists are supplied with impressive display material, dummies and testers.**
- **Striking advertisements will appear shortly in the leading women's magazines.**

Enquiries are invited and our representative will be pleased to call. Please write for samples and prices.

CULLINGFORD OF CHELSEA

LONDON OFFICE:
MUNROE HOUSE · DENBIGH STREET · LONDON S.W.1
VICTORIA 0566/7

LIVERPOOL OFFICE:
KIRKBY · LIVERPOOL
SIMONSWOOD 3256

The FATH range includes:

Perfumes: Fath de Fath, Canasta, Iris Gris. With matching Toilet Waters and Colognes.

Lipsticks: 12 shades. Including Bettina, Olivia, Francoise, Michele.

Nail Lacquers: 12 shades to match the lipsticks and 4 frosted shades.

JF2

BONUS TERMS

An ideal counter display this eye-catching display outer to hold one dozen tins of Potter's Catarrh Pastilles makes a fine counter attraction for impulse buying.

ADVERTISING

for Potter's Catarrh Pastilles is maintained throughout the selling season. This year there will be greater emphasis than ever laid on advertising in the National and Provincial Press.

One tin in every dozen is FREE!

on

POTTER'S CATARRH PASTILLES

and

CRYSTALLIZED CATARRH PASTILLES

are available on minimum quantities of

3 DOZEN TINS

of either variety or assorted.

Prices: 13/10 doz. Subject to 25% P.T. Retail 2/- per tin.

For a minimum parcel of 36 tins you will be charged for only 33; and pro rata for larger quantities.

ORDERS THROUGH WHOLESALERS ONLY, PLEASE

POTTER & CLARKE LTD · RIVER ROAD, BARKING, ESSEX · Telephone RIPpleway 1105

YOUR GALENICAL SUPPLIES

As one of the largest manufacturers of galenicals in Gt. Britain StaffordAllenS are supplying increasing quantities to wholesalers and manufacturers.
Now all lines are offered packed and it remains the policy of the Company to supply only wholesalers and manufacturers.
StaffordAllenS maintain substantial stocks and prompt delivery is always assured.

Liquid Extracts, Tinctures, | *Emulsions, Infusions,* | *Liquors, Syrups,* | *Decoctions, Elixirs etc.*

STAFFORD ALLEN & SONS LTD
Wharf Road, London, N.1
Tel: CLErkenwell 1000
Grams: Stafalens, Nordo, London

StaffordAllenS

TAS/AL. 630

Famous Names

for the Christmas trade

Morny

POND'S

GALA

No. 4711.

Miner's

BOURJOIS

Fields

Saville

GROSSMITH

ATKINSONS

Potter & Moore

Cussons

Outdoor Girl

Cullingford of Chelsea

ROBERTS WINDSOR

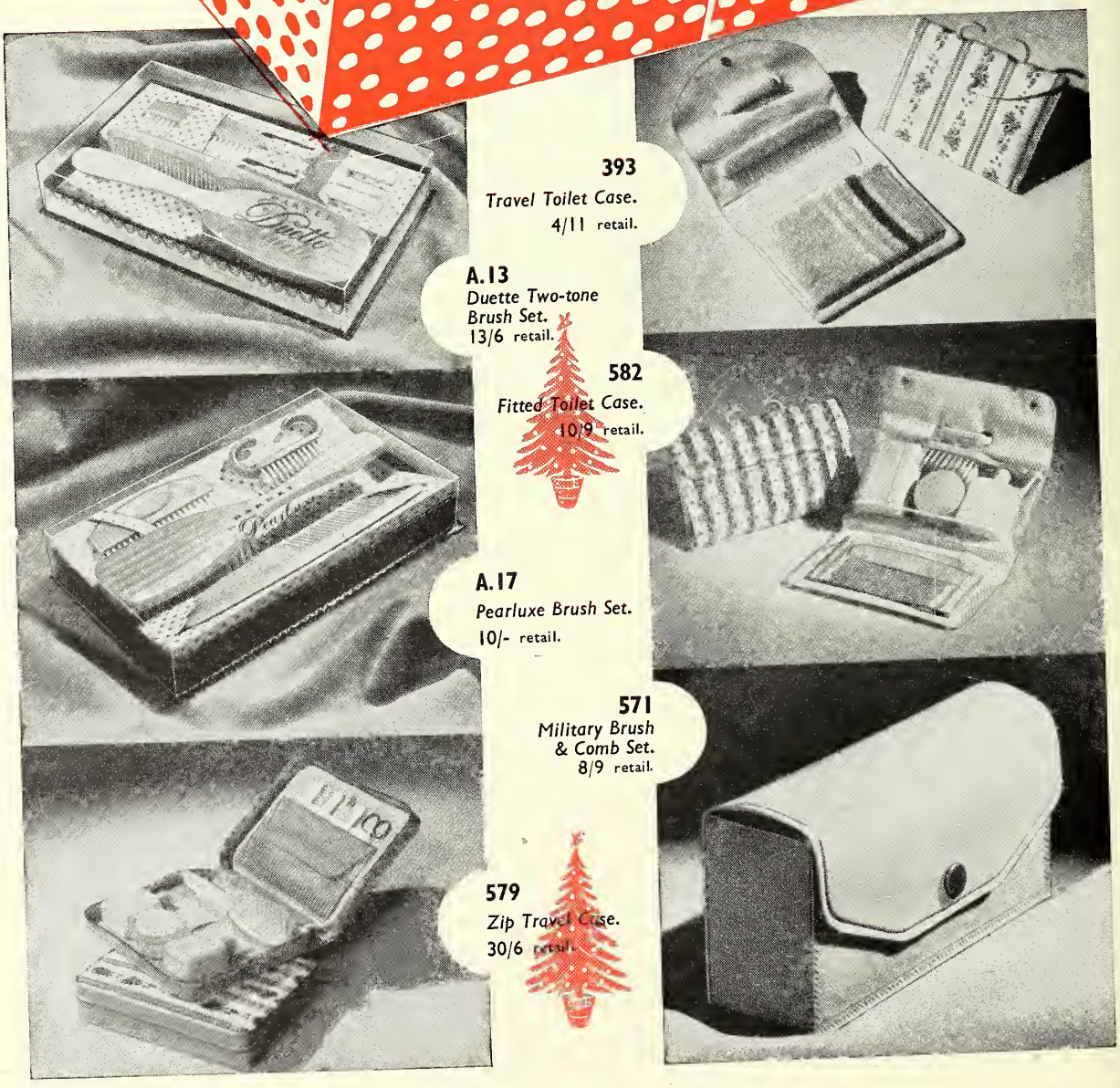
THERMOS
REGISTERED TRADE MARK

Sangers stock them all

SANGERS LIMITED · 258 EUSTON ROAD · LONDON N.W.1. TELEPHONE EUS. 5010
BRANCHES · NEWCASTLE · BRISTOL

BARNET

have a gift for gifts...



393
Travel Toilet Case.
4/11 retail.

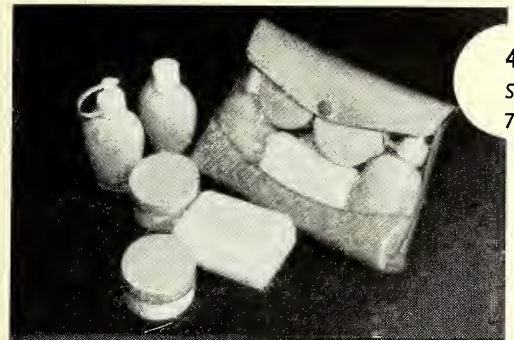
A.13
Duette Two-tone Brush Set.
13/6 retail.

582
Fitted Toilet Case.
10/9 retail.

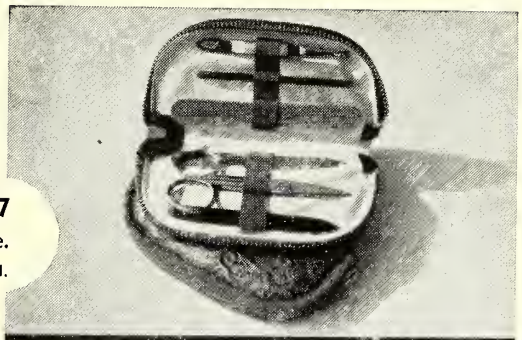
A.17
Pearluxe Brush Set.
10/- retail.

571
Military Brush & Comb Set.
8/9 retail.

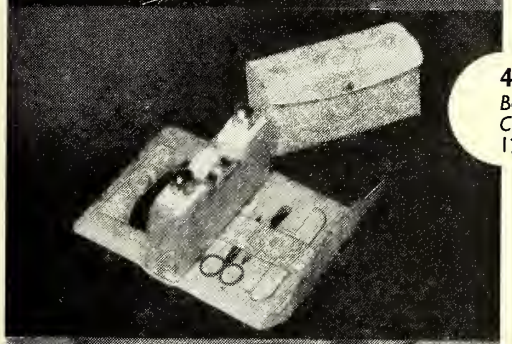
579
Zip Travel Case.
30/6 retail.



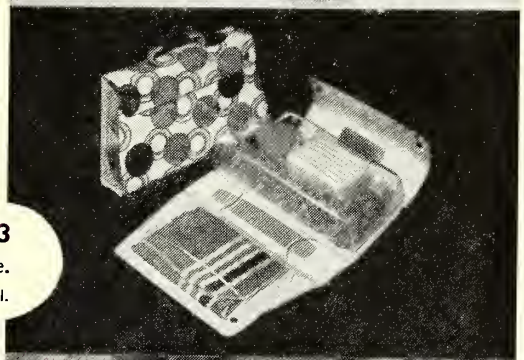
455
Soft Beauty Case.
7/9 retail.



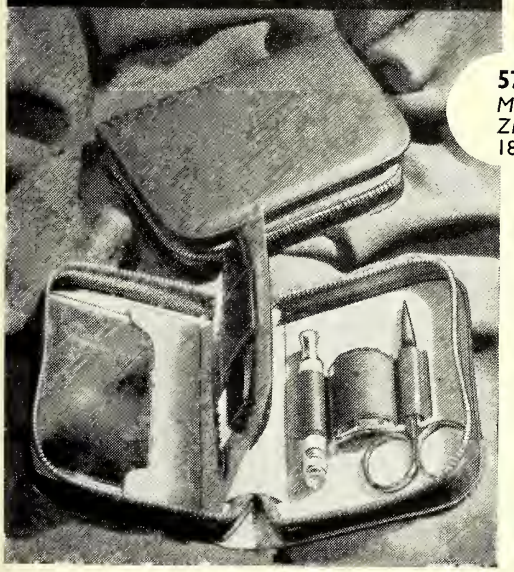
397
6-piece Manicure.
8/9 retail.



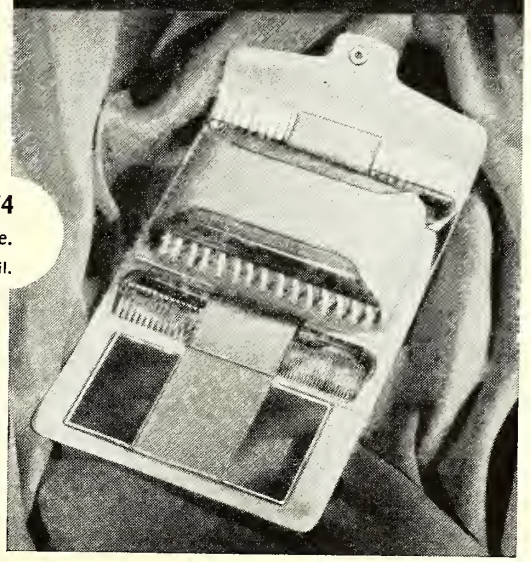
444
Beauty-Manicure Case.
17/6 retail.



443
Travel Toilet Case.
14/3 retail.



577
Man's Fitted Zip Case.
18/3 retail.



574
Man's Fitted Case.
11/3 retail.

Beautifully presented yet excellent value, the Barnet Gift range is designed for the widest appeal with many new ideas for your customers seeking the out-of-the-ordinary. Ideas to give you extra sales and profits this Christmas.

Ask your wholesaler to show you the full Barnet Gift range or ask us for literature.

For illustrated folders showing the full Barnet Gift range, clip this panel out and simply attach to your letter-heading or card, and post today to:
E. R. Holloway Sales Ltd.,
Bessemer Rd., Welwyn Gdn. City, Herts.
Tel: Welwyn Garden 4444

Now is the busiest time of year for sales of 'Benzedrex' Inhaler and 'Neuro Phosphates'. This year we are redoubling our efforts to help you make the highest sales ever. This window display has been set up in many chemists' shops and is already stimulating sales. Counter display material is available to you at all times. If you want a display in your window, tell our representative or contact our office.

BENZEDREX INHALER the supreme reliever of nasal congestion

NEURO PHOSPHATES the tonic for appetite and vigour

Smith Kline & French Laboratories Ltd, Welwyn Garden City, Herts.
Telephone Welwyn Garden 5111

8XN : TA49 (col) *'Benzedrex' & 'Neuro Phosphates' are trade marks*

EVERYTHING POINTS TO

U·M·P

REG'D

For Tubes and Plastics

UNIVERSAL METAL PRODUCTS LTD.

SALFORD 6 LANCS. Telephone: PENDLETON 4444

LONDON OFFICE: ARGYLE HOUSE, 29/31, EUSTON ROAD, N.W.1. TEL. TERMINUS 2073

Sunbeam proudly launch...

THE TWO MOST ADVANCED ELECTRIC SHAVERS IN THE WORLD

BACKED BY FULL-SCALE NATIONAL ADVERTISING!

★ **DOMINATING SPACES** in the mass-circulation daily and Sunday papers

★ **WHOLE PAGES** in the top-favourite men's magazines

★ **TV DEMONSTRATIONS** in the most widely followed TV magazine programmes

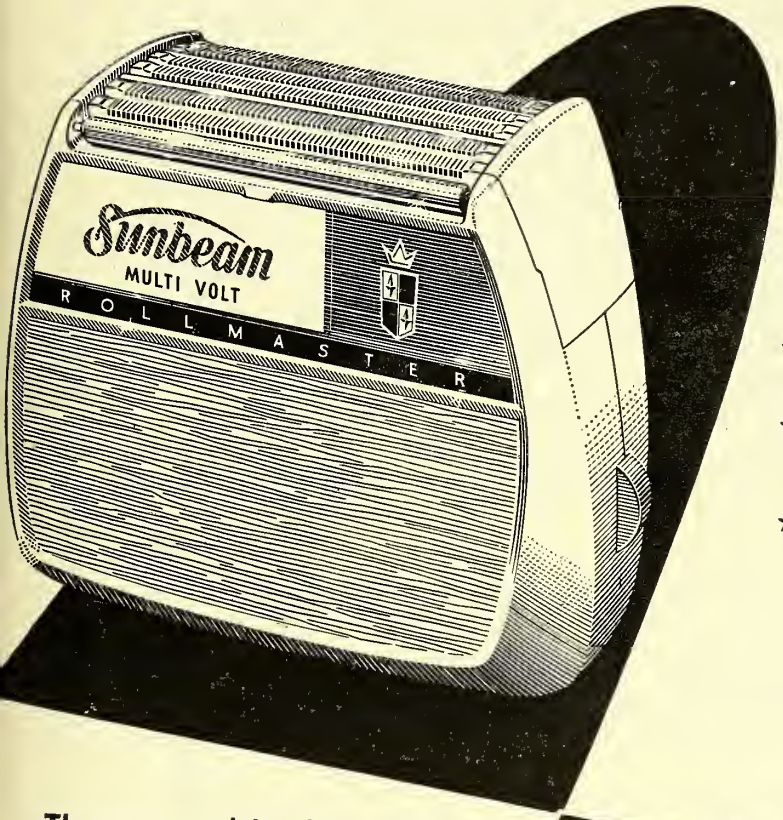
★ **FREE DISPLAY MATERIAL** for point-of-sale

This biggest-ever Sunbeam Campaign starts on October 1st—follows right through into the gift-giving season with a special Christmas approach

Order NOW—through your usual supplier

Sunbeam finest shavers in the world

SUNBEAM ELECTRIC LTD., NERSTON, EAST KILBRIDE, GLASGOW



The new

Sunbeam

ROLLMASTER ELECTRIC SHAVER

—with 3 exciting new Sunbeam features

★ New sheer-shave clipper head with continuous shaving action.

★ New self-adjusting rollers that adjust shaving head automatically to suit all types of beard—all types of face.

★ New luxury presentation. Both new models are beautifully displayed in attractive silk and velvet lined presentation cases.

Sunbeam quality at an attractive price.

Standard volt (190-250 AC/DC)...£9.12.6 (inc. P.T.).
Multi-volt (110-250 AC/DC with built-in voltage selector) £10.12.6 (inc. P.T.).

The new multi-volt

Sunbeam

SHAVEMASTER

the world-famous shaver —now better still!

★ New BUILT-IN voltage selector—can be used anywhere in the world.

★ High speed hollow-ground blade, driven by a universal armature type motor; the most powerful and reliable fitted in any shaver.

★ Micro-thin foil head with 1380 counter-sunk holes closer together than the hairs of the beard—no whiskers can escape.

★ Specially designed long-hair slits — no separate trimmer is necessary.

★ New luxury presentation. This new Multi-volt model is beautifully displayed in an attractive silk and velvet lined presentation case.

Multi-volt model (110-250 AC/DC, with built-in voltage selector)...£11.15.0 (inc. P.T.).

"90% satisfactory response obtained in ambulant patients"

"The immediate clinical results were assessed after the first month's treatment (with Roter Tablets) .... 81% of cases became symptom-free—70% of them during the first week and 30% during the second week; a further 9% were relieved of the majority of their symptoms. Thus there was a satisfactory response in 90% of cases .... In 75% of cases the patients found they were able to take foods which they had avoided for years."

Extract from the BRITISH MEDICAL JOURNAL (1955) 2, 827

IMPROVED THERAPY FOR PEPTIC ULCER

"In a series of 155 cases of peptic ulcer treated with ... (Roter) tablets for three to six weeks, there was immediate relief of pain in 92% of cases and roentgenological healing of the ulcer in 81% ... The special features of this medication are immediate and prolonged relief of pain, correction of gastric hyperacidity, absence of side reactions, effectiveness for ambulatory patients, and early healing of the ulcer in most cases."

Extract from the AMERICAN JOURNAL OF GASTROENTEROLOGY (1957) 28, 439

"Immediate relief of pain in 92% of cases"

ROTER **TABLETS**

PACKINGS: Retail Prices including P.T., Trial size 40 tablets 7/3d., Standard size 120 tablets 20/7d. Full treatment size 640 tablets 103/3d.; Dispensing packs 720 tablets, P.T. exempt.

OBTAINABLE FROM YOUR USUAL WHOLESALER

ROTER Tablets are not advertised to the public and may be prescribed on E.C.10 forms. Literature on request

F.A.I.R. LABORATORIES LTD TWICKENHAM MIDDLESEX

THE FASTEST-SELLING SHAMPOO IN YOUR SHOP

* BIGGEST ADVERTISING

Silvikrin Liquid Shampoo is by far the most heavily advertised shampoo in Great Britain. And what advertising—strong, striking and lively! And what coverage—ALL T.V. stations and frequent large colour spaces in big circulation women's magazines. Your customers are seeing this advertising day in day out.

* BIGGEST SALES

And no wonder! Chemists sell more Silvikrin Liquid Shampoo sachets than any other—*nearly one third as much again as the next competitor in the field.* There's *no* other shampoo, in any other pack, that comes anywhere near the Silvikrin Liquid Sachet for big, *fast* sales.

Silvikrin LIQUID SHAMPOO

THE FASTEST SELLING SHAMPOO IN THE COUNTRY

COUNTY LABORATORIES LTD., COUNTY BUILDING, HONEYPOT LANE, STANMORE, MIDDX. WORdsworth 4321

T.19

GREAT NEW ADVERTISING

THE Disprin

WHOLE DOUBLE COLUMNS IN

Daily Express, Daily Mail, Daily Mirror, Daily Telegraph, Belfast Telegraph, Empire News, Scottish Sunday Express, Sunday Graphic, Woman's Own.

20" ADVERTISEMENTS TWENTY INS. LONG

Dramatic press advertisements twenty inches long tell the Disprin story with outstanding clarity—explain graphically that Disprin dissolves before you take it to bring pain relief with less risk of gastric upset. See the list of publications in which these new advertisements will appear. They reach millions.

ON YOUR COUNTER

NEW DISPLAY material, based on the new advertising campaign will be available shortly.

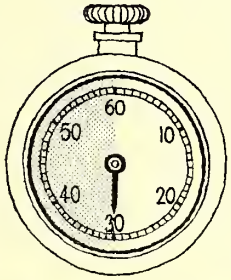
Display Disprin on your counter. You can expect larger sales this coming autumn.

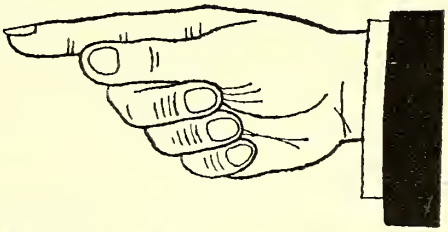
CAMPAIGN PRESENTS...

Story THIS AUTUMN

DISPRIN ON TV

TELEVISION COMMERCIALS will reach half the homes in Britain





30-SEC. TV COMMERCIALS

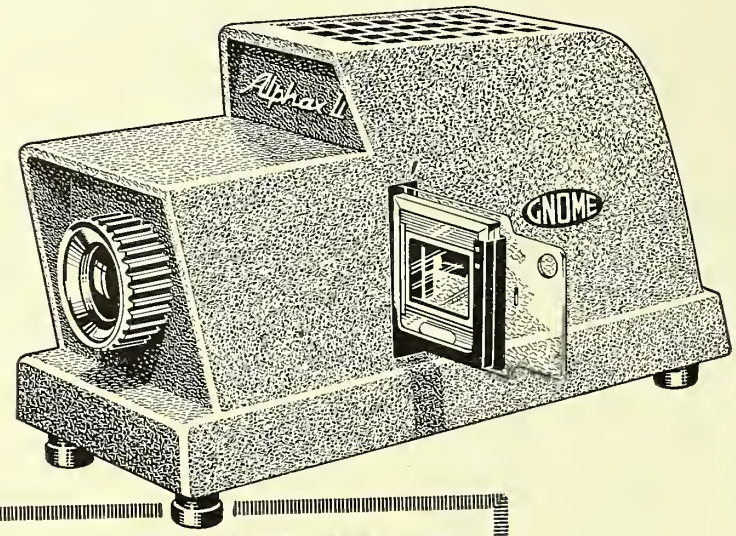
will be seen regularly all over the country. The Disprin story is told in an exciting new way that will be remembered by potential Disprin users everywhere.

YOU CAN EXPECT LARGER SALES THIS AUTUMN

COLOUR

means a big demand for

GNOME ALPHAX PROJECTORS



There is a model every 35mm camera owner can afford. Cool, quiet, noiseless and trouble free.

ALPHAX I 'Baby'	Amazing value. 150 watt. f/3.5 85mm. lens. Twin bar mounting. Quality condensers. Convector cooling.	**£8-19-6**
ALPHAX II 'One-Fifty'	Exceptional light output and definition. 150 watt. Choice of lens. Matched condensers. Convector cooling.	**£12-12-0**
ALPHAX III 'Three-Hundred'	300/500 watt projector. Extra brilliant illumination and super efficient centrifugal suction cooling.	**£17-7-6**

Are you sure you have sufficient stocks?

GNOME PHOTOGRAPHIC PRODUCTS LTD. CAERPHILLY ROAD, CARDIFF

"SKYLON" POLYTHENE HOT WATER BOTTLES

A **P.A.T.A.** LINE

FIBRENYLE LIMITED
157 DUKES ROAD
WESTERN AVENUE, LONDON, W.3
ACORN 5073-4

Illustration above shows the range of colours in which the new "SKYLON" polythene hot water bottles are being made. Light in weight and complete with Polythene cap and rubber seal.

"SKYLON COMFORT"

Packed in polythene bags with attractive "Sales-Appeal" design showing, in silhouette, a Teenager in shortie and alternatively, Father in his nightshirt and cap, they are, with their bright colours a sure selling line for young and old. Ask your Wholesaler to show you the bottles in their printed wrapper and stock up now—you know our climate!

JAC WH

D

"Glamorous Princess" NYLON DRESS OVERALLS for your staff

IN THESE BEAUTIFUL SHADES

RUBY WINE · LAVENDER · APPLE GREEN · TUROUOISE · SAXE BLUE · PINK · SNOW WHITE

OUTSTANDING OFFER

3 OR MORE GARMENTS 5% CASH DISCOUNT
6 OR MORE 10% CASH DISCOUNT
POST FREE!

AS TELEVISED

GUARANTEED . . . SUPER HEAVY QUALITY Non-Transparent 4 oz. NYLON

Will give your assistants a really smart appearance which in turn will bring business to you
Extremely popular with Staff!

MENS WHITE NYLON OVERALL COAT

MENS WHITE NYLON JACKET

PLEASE NOTE THESE POINTS

- No Laundry Bills
- No Ironing necessary
- Crisp, Fresh and attractive
- Non-shrink and Colour fast
- Sewn throughout with Nylon thread
- All seams reinforced and heat sealed to prevent fraying
- Will withstand the hardest of wear and dirtiest of jobs
- When soiled simply wash and dry on specially designed hanger supplied FREE with each garment

49/6

Button through
3 large pockets
Flared Skirt
Tie Belt and
Spare Buttons

LONG SLEEVES SIZES: SW., W., WX. OS. 5/- EXTRA
also SHORT SLEEVES 45/-
PLEASE STATE BUST MEASUREMENTS

45/-

Sizes: Small Men's Average Men's & Large Men's
Kindly State Chest Measurement

39/6

Sizes: Small Men's Average Men's & Large Men's
Kindly State Chest Measurement

We Guarantee YOUR COMPLETE SATISFACTION

Should your Staff purchase their own overalls kindly let them see this offer.
Single Garments Post and Packing 2/-
Two or more Post Free

Direct from the Manufacturer to you

THE GREAT NATIONAL DIVIDEND STORES LIMITED
NATIONAL BUILDINGS · P.O. BOX 32 · STOCKPORT · CHESHIRE (MAIL ORDER ONLY)

Marketing and Merchandising

What is the QUALITY of your distribution?

Having selected the right people for your objective and having found the most effective selling arguments to convince them in your Advertising, are you *certain* that they can find your product easily and will see it at the points of sale which they are most likely to visit?

Does your product receive that essential accolade—the blessing of the man behind the counter?

These are among the features of sound marketing that find expression in "Key Marketing", the T. B. Browne Ltd. plan which places this agency ahead of the field in the co-ordination of marketing and merchandising with advertising. The survey on which this plan is based is concerned with the selection of retail outlets in the shopping centres which the majority of housewives visit weekly or more often.

One of the surprises of our investigation is the limited number of such shopping centres and another is their location. Concentration on these outlets enables manufacturers to attain economical and effective distribution, and/or to concentrate merchandising and display effort where it will be most effective.

The results of two years' survey work are bringing benefit to our clients and we shall be happy to provide you with further details if your interest lies in the quality and economy of your distribution.

Note: Key Marketing ties-in ideally with ITV regional advertising: the Midlands area has been particularly developed in this respect.

T. B. BROWNE LTD.

117 PICCADILLY, LONDON, W.1

Telephone: GROsvenor 5351/6

MARKETING AND ADVERTISING

Cotton Wool Dispenser

- ★ Only as much as you need is pulled out at a time.
- ★ Package has tuck-in ends and can be re-sealed.
- ★ Cotton Wool kept clean throughout.
- ★ Elegant design of pack appropriate for lady's dressing table.

MANUFACTURED BY

E. ILLINGWORTH & CO. (BRADFORD) L

SHELF MILLS, SHELF,
NR. HALIFAX, YORKSHIRE.

TELEPHONE: BRADFORD 76261/9
TELEGRAMS: "ILLMOND" BRADFORD.

WHOLESALE ONLY

Gifts of lasting fragrance by Molyneux

LONDON · PARIS

Designed by a leading French Artist, these presentations are sure to delight your customers.

LE NUMÉRO CINQ
Rue Royale **16/6**

LE NUMÉRO CINQ
Rue Royale **12/6**

NEW
EAU DE TOILETTE
Vivre · Rue Royale
Magnificence
1 oz. bottle **9/6**
2 oz. bottle **15/-**

The world famous Numéro Cinq Cologne 1 oz. bottle **9/6**

MOLYNEUX ET CIE (DESIGNS & PERFUMES) LTD · 63 GROSVENOR STREET W·1

NEW

FULL PAGES IN

WOMAN
WOMAN'S OWN
WOMAN'S REALM
WOMAN'S WEEKLY

PLUS 6

MONTHLY MAGAZINES
GOOD HOUSEKEEPING
HOMES & GARDENS
IDEAL HOME · MY HOME
WIFE & HOME
WOMAN & HOME

PLUS

DAILY MIRROR
BIG 3-FULL
COLUMN SPACE

PLUS

'EVERY NIGHT' T.V.
IN ALL NEW AREAS

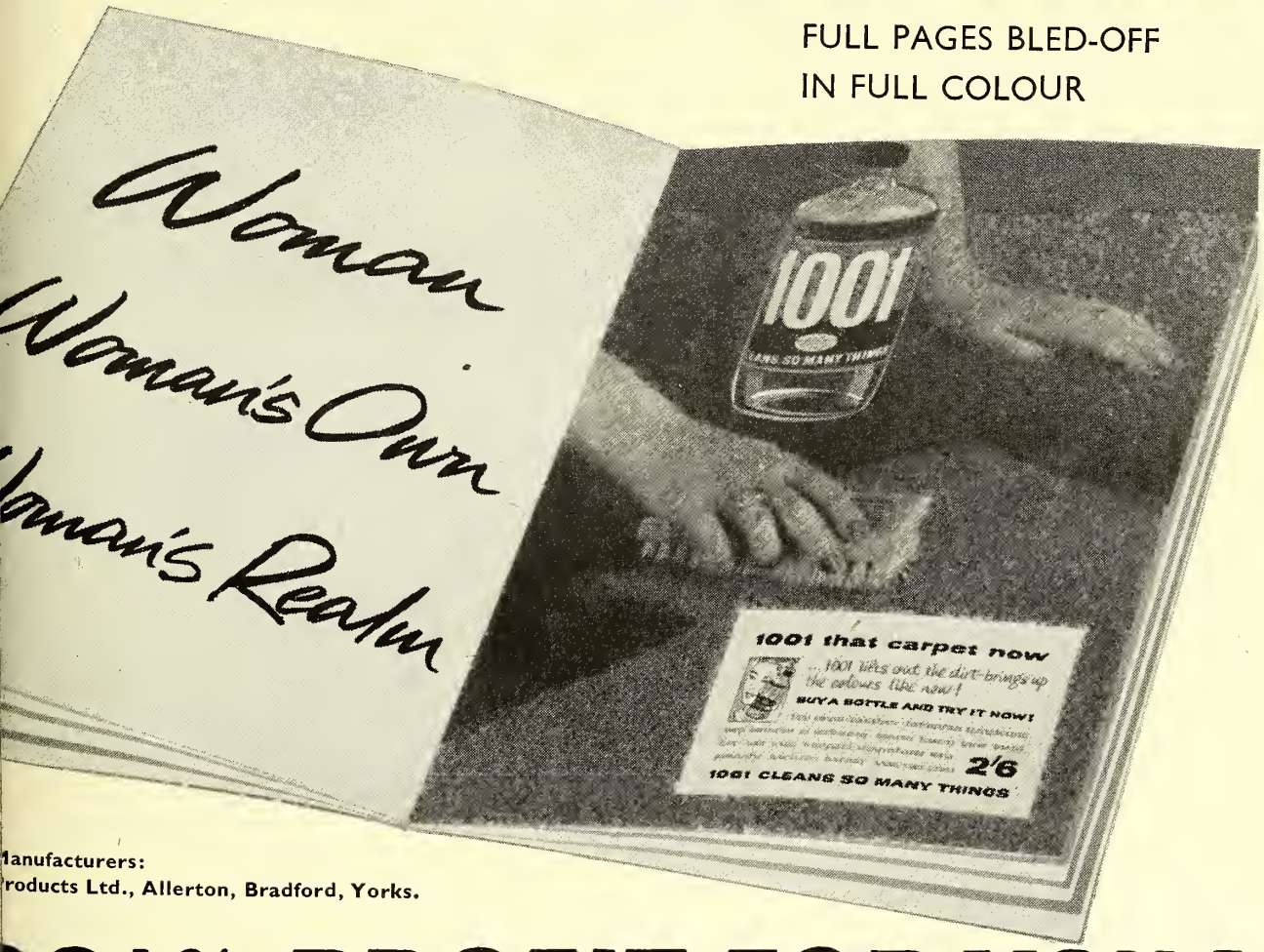
80 MILLION IMPACTS
16½ MILLION HOUSEWIVES!

DISPLAY 1001 – THERE'S

PLANS FOR 1001

BIG NATIONAL ADVERTISING STARTS SEPTEMBER

FULL PAGES BLED-OFF
IN FULL COLOUR



Manufacturers:
Products Ltd., Allerton, Bradford, Yorks.

33⅓% PROFIT FOR YOU!

The Best Protection against

Pulpy Kidney Disease

is given by

'WELLCOME' BRAND

IMPROVED PULPY KIDNEY VACCINE

Issued in containers of 50 c.c.—20 doses.

and PULPY KIDNEY ANTISERUM

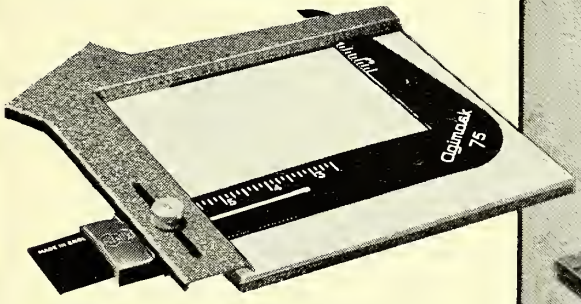
Issued in containers of 100 c.c.—
50 doses for young lambs, 25 sheep doses.

BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.)
THE WELLCOME BUILDING, EUSTON ROAD, LONDON N.W.1. TEL: EUS 4477
AND 18 MERRION SQUARE, DUBLIN. TEL: 65751-2

B26A

For a Photo Finish!

AGIMASK '75'

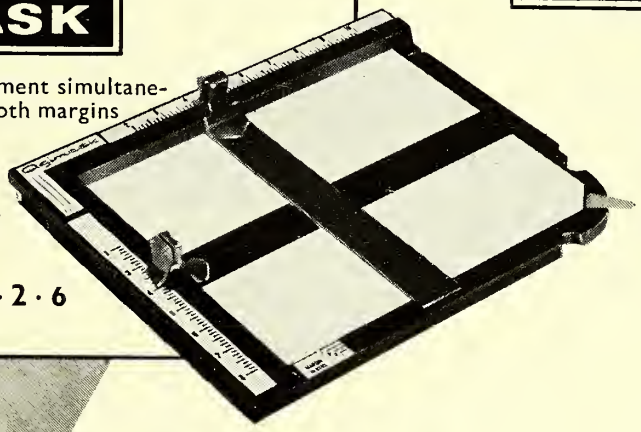


A brilliant new design — very simple but immovably rigid. For all sizes from 2½" sq. to 7" x 5". Ideal for postcard enlargements. Fixed margin of ⅛".

7" x 5" **£1 · 5 · 0**

AGIMASK

A single movement simultaneously adjusts both margins from ⅛" to 1".



12" x 10" **£5**

10" x 8" **£4 · 2 · 6**

AGISCOPE

The most modern enlarger of them all. Complete with lens, film carrier and a set of masks covering all sizes from 35 mm to 2¼" x 3¼".

The enlarger everyone can operate — at a price everyone can afford.

Only **£6 · 5 · 0**
Complete

Ask your wholesaler for details

AGILIX LTD
PURLEY WAY • CROYDON

8 out of 10 women are being reached regularly by the current Tress advertising . . . so keep Tress Wave Set right before the eyes of your hair-conscious customers

A creation of
L'OREAL · PARIS

TRADE TERMS

SMALL SIZE: Price 9/- per dozen bottles plus 50% tax selling at 1/6 per bottle.
LARGE SIZE: Price 15/- per dozen bottles plus 50% tax selling at 2/6 per bottle.

From your usual wholesaler or from:

GOLDEN LIMITED, 7 Grosvenor Street, London, W.1. Hyde Park 1671

Republic of Ireland enquiries to: Lilmar Pharmaceuticals Limited, Santry, Dublin.

IF YOU ARE LOOKING FOR A TABLET MANUFACTURER TO HANDLE YOUR PRODUCT BE IT LARGE OR SMALL, IN THOUSANDS OR MILLIONS, WHY NOT

CONTACT ONE OF THE FOREMOST MAKERS WHO HAVE TAKEN PRIDE IN

MANUFACTURING TABLETS & PILLS FOR MANY YEARS

RICHARD DANIEL & SON, LTD. DERBY

Write us at Mansfield Road or ring Derby 40671 (Ten lines)

* To increase your "NET" sales

Cash in on these eye catching advertisements in the popular Women's Magazines.

FIRST IN QUALITY, PRICE & APPEAL, "HALO" & "TANGO" HAIR NETS, FIRST CHOICE OF WOMEN EVERYWHERE, MEAN GOOD BUSINESS FOR EVERY STOCKIST

PACKS TO SUIT EVERY TYPE OF TRADE
EVERY NET GUARANTEED PERFECT

Display & Sell
'HALO' REGD.
AND
'TANGO' REGD.
HAIR NETS

MAKE CERTAIN OF YOUR SHARE OF THIS PROFITABLE BUSINESS — ORDER FROM YOUR WHOLESALER

Made by **BYARD MANUFACTURING CO. LTD.,** NOTTINGHAM

The newest big seller!

Marigold TWO-TONE the perfect rubber gloves

don't be caught on the wrong foot – be prepared by stocking up in good time!

APPEARING IN

WOMEN'S GLOSSY MAGAZINES AND SUNDAY NATIONALS *this Autumn!*

We are taking half pages in HOMES & GARDENS, WOMAN'S JOURNAL, GOOD HOUSEKEEPING, IDEAL HOME, THE LADY, THE QUEEN, HOUSEWIFE, HOME, EVERYWOMAN, WOMAN & BEAUTY and the SUNDAY EXPRESS and SUNDAY GRAPHIC.

J. ALLEN RUBBER COMPANY LIMITED, WHITECROFT, NR LYDNEY, GLOUCESTERSHIRE.

Luxury is good business for you!

Sorella

Between now and mid-December 16,837,783 advertisements for Sorella bath-time luxuries will appear in

- Woman
- Woman's Own
- Woman's Realm
- Woman's Day
- John Bull
- Tit-Bits
- Woman's Mirror
- Woman's Illustrated
- Tatler
- The Lady
- Country Life
- Queen
- Modern Woman
- Everywoman
- Woman & Beauty
- She
- Woman's Journal
- Housewife
- Vanity Fair
- Home
- Woman & Shopping

BATH-TIME LUXURIES

SORELLA CHAMPAGNE BUBBLE BATH

Left to right: S.O.19A, novelty Champagne Bubble Bath, retails at 5/9. Other sizes 1/6 to 12/11. S.O.39, gay gift pack of nine miniatures, retails at 17/11. S.O.43, boutique of four miniatures, retails at 6/3.

We have chosen the most popular, most influential journals to advertise SORELLA Champagne Bubble Bath and exclusive Christmas novelties by Jean Sorelle.

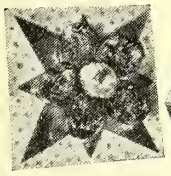
The appeal we have chosen is uppermost in your customers' minds at this time: "Give luxury this Christmas—give SORELLA."

It is difficult to appreciate the colourful, attractive packs and creations of JEAN SORELLE without seeing the actual specimens. Our representative in your area will gladly call on you for this purpose. Please telephone or write.

. . . EXCLUSIVE NOVELTIES!

Still on the theme of luxury, beauty, presents and Christmas—your customers will find these novelties irresistible!

CHRISTMAS STAR . . . artistic—unusual, filled with the exclusive bath salts tablets by Jean Sorelle, retails at 3/6.



SWAN NOVELTY ▶ . . . filled with egg-shaped bath salts tablets, retails at 4/9.

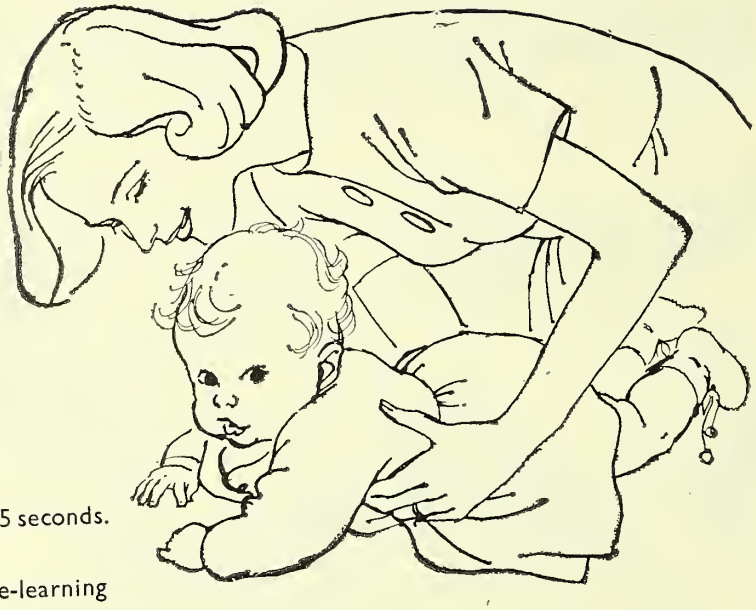
GRAPES CLUSTER . . . artistic and colourful, bath salts tablets by Jean Sorelle, retails at 6/11.

SORELLA NOVELTY BUBBLE BATH in Penguin-shaped bottle, retails at 7/6.

Stock up NOW—SORELLA sells well at this PRESENT time!

Order from your wholesaler or direct from: Jean Sorelle Limited, 21-22 Turle Road, London, N.4

Telephone: Archway 2736/2771 Telegrams: Promella, Finspark, London *Manufacturers of the original Champagne Bubble Bath*



In Britain a baby is born every 45 seconds.
In 10,000 homes each week,
10,000 women are learning or re-learning
the many tender skills that will enable them
to care for the needs of someone very young.
How to bath, how to hold and comfort, and—
very important—how to wash nappies and
baby clothes so that they are always clean and sweet,
and free from harsh deposits that might irritate the skin.
For this, every mother needs Johnson's Baby Suds.
Bland but active, Baby Suds, with lanolin in it, is perfect
for baby's wash. It lathers copiously in hard or soft water,
rinses completely, leaves clothes cloud-soft.
It contains also an effective germicide
which helps to counteract harmful bacteria.
The new mothers in your district are your most
valuable customers. They are starting a new family and
the *family* customer is a bigger buyer than the individual.
All Johnson & Johnson products are made for the care of
the whole family. Many of the families in your neighbourhood
are your friends already. Keep this custom, and
make friends with new customers, by stocking the
full range of Johnson's Baby products including
Johnson's Baby Suds . . . the new
washing powder made specially for children's clothes.

ANOTHER CUSTOMER FOR Johnson's BABY SUDS

Johnson & Johnson

J&J

Presentation Gifts by CHANDAU

Packed in attractive pink and black candy-striped presentation boxes for ladies and smart black and white boxes for men.

(No extra charge for boxes)

1. Hand Cream with Lanolin
2 Pink Cold Cream Soaps
30/- Per Doz. + 11/3 P.T.
Retail Price 4/6

2. Talcum Powder in Puffer Container
2 Pink Cold Cream Soaps
33/- Per Doz. + 12/9 P.T.
Retail Price 5/–

3. Hand Cream with Lanolin
1 Pink Cold Cream Soap
3 Bubble Bath Sachets
36/6 Per Doz. + 12/10½ P.T.
Retail Price 5/6

4. Talcum Powder in Puffer Container
1 Pink Cold Cream Soap
3 Bubble Bath Sachets
39/6 Per Doz. + 14/4½ P.T.
Retail Price 6/–

5. 6 Bubble Bath Sachets
2 Pink Cold Cream Soaps
43/- Per Doz. + 10/9 P.T.
Retail Price 6/–

6. Hand Cream with Lanolin
1 Jar Pink Cold Cream
3 Bubble Bath Sachets
45/6 Per Doz. + 19/3 P.T.
Retail Price 7/3

7. Hand Cream with Lanolin
Talcum Powder in Puffer Container
33/- Per Doz. + 16/6 P.T.
Retail Price 5/6

8. Talcum Powder in Puffer Container
1 Jar of Pink Cold Cream
3 Bubble Bath Sachets
48/6 Per Doz. + 20/9 P.T.
Retail Price 7/9

9. 1 Jar Pink Cold Cream
1 Pink Cold Cream Soap
6 Bubble Bath Sachets
52/- Per Doz. + 17/1½ P.T
Retail Price 7/9

10. After Shave Lotion *or* 11. After Shave Talc
(In Spray Container) (In Puffer Container)
21/- Per Doz. + 10/6 P.T.
Retail Price 3/6

12. After Shave Lotion and
After Shave Talc in Presentation Box
42/- Per Doz. + 21/- P.T.
Retail Price 7/–

Order direct from your wholesoler

T. L. BENTON & CO. LTD. 186 SEVEN SISTERS RD. LONDON, N.7

Make a note of this date-September 8th to 18th, 1959-10 a.m. to 6 p.m.

INTERNATIONAL

PACKAGING EXHIBITION

World's largest packaging display

At 10 a.m. on Tuesday, September 8th, 1959, in the Grand and National Halls at Olympia, London, opens the world's largest display of packaging design, methods and materials. It will run for ten days and remains open until 6 p.m. Don't miss your chance to see this great Exhibition.

THE NEWEST :

MACHINERY. A large display of British and foreign machinery designed to improve every packaging operation at less cost.

METHODS. To save labour and costs, increase output, reduce handling, economise in storage, and to ease stock control.

MATERIALS. To simplify packaging, afford better protection in transport, and to effect saving in labour costs.

IDEAS. To solve many of your problems in relation to production, marketing, advertising and selling.

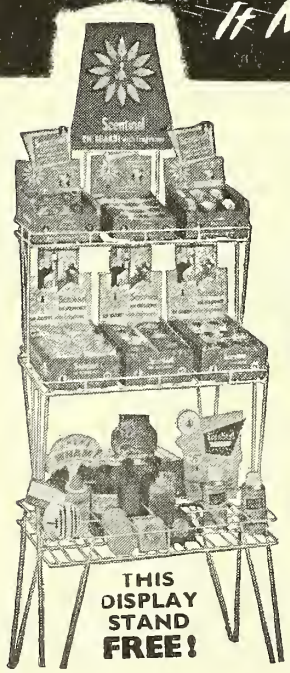
Organised by PROVINCIAL EXHIBITIONS LIMITED
In association with F. W. BRIDGES & SONS LIMITED. *Planned in collaboration with the* INSTITUTE OF PACKAGING, LONDON.
Write for details to: PROVINCIAL EXHIBITIONS LTD., City Hall, Deansgate, Manchester

OLYMPIA GRAND AND NATIONAL HALLS **LONDON**

Start your own

Scentinel *Hygiene Dept*

It MAKES Sales



This striking display stand is making regular, profitable sales of Scentinel products all over the country. Scentinel products are widely and CONTINUOUSLY advertised. Send in coupon for details of free offer.

Some of the "New Hygiene" winners.

"QUIFF" Fragrant air freshener spray. Aerosol 4/6, Squeeze bottle 3/6, Refills 1/6.

"WHAM" Fragrant fly spray and insecticide. Aerosol 4/6, Squeeze bottle 3/6, Refills 1/6.

"SWISH" Toilet bowl cleanser. Big seller at 1/6 complete. Refills 9d.

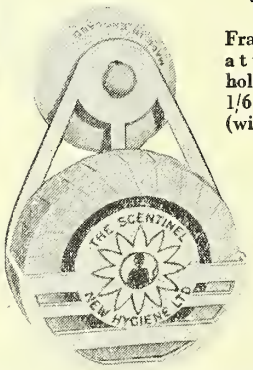
"MIKE" Air freshener in plastic holder. Complete 2/9, Refills 9d. and 1/3.

—and here's the

Scentinel Sensation of the Season

The "MINOR"

Fragrant chemical block in attractive unbreakable holder, with suction grip. 1/6 complete. Refills 9d. (will fit any small container).



PLEASE SEND DETAILS OF YOUR DISPLAY STAND OFFER

NAME .....

ADDRESS .....

.....

NEW HYGIENE LTD., 266-268 HOLLOWAY ROAD, LONDON, N.7

Telephone : NORth 5041-2-3 *Telegrams : AIROGENA-HOLWAY*

SHAW fit - the quality NETS!

Lion Nylon hair nets are famous for their consistently high quality, invisibility in wear, and wonderful durability.
Available in all shades in attractive film envelopes packed on hanging cards, circular cards and counter display cartons.

HATS OFF TO LION

NYLON HAIR NETS

Other SHAW products :

MADONNA TRIANGULAR SETTING VEILS
MADONNA SILK HAIR NETS
LION BUN NETS
VENUS IMITATION HUMAN HAIR NETS

MORE THAN 8,000,000 WOMEN

READ **LION** Nylon Hair Nets ADVERTISEMENTS **EVERY MONTH!**

From your wholesaler—or write for address of nearest stockist to :

ROBERT SHAW & CO., LTD., NOTTINGHAM

advertising breaks
this week for

cedar wood

5/6

Spearheaded by special advertising in the Daily Express. Twice this week—and *every* week until December seven million men will see it.

Please make sure *you* profit right from the start of this continuing campaign.

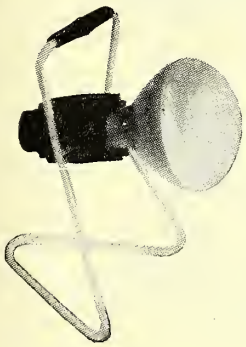
Please make sure you have adequate stocks of the six Cedar Wood items. Please display Cedar Wood today.

Sunshine and Warmth...

for people of all ages

So many people would feel all the better for the stimulating warmth and sunshine provided by Philips Health Lamps. For instance, when used on medical advice, these lamps are often remarkably successful in treating rheumatic complaints and debilitated conditions.

Philips Ultra-violet ULTRAPHIL
(Made in Holland)



Philips Sunlamp gives the blessing of "Mountain sunshine". Doctors know the value of the right type of sunlight and do not hesitate to recommend the Philips Ultra-violet Sunlamp **Price: £5.17s.6d.** (including goggles)

Philips Infra-red INFRAPHIL
(Made in Holland)

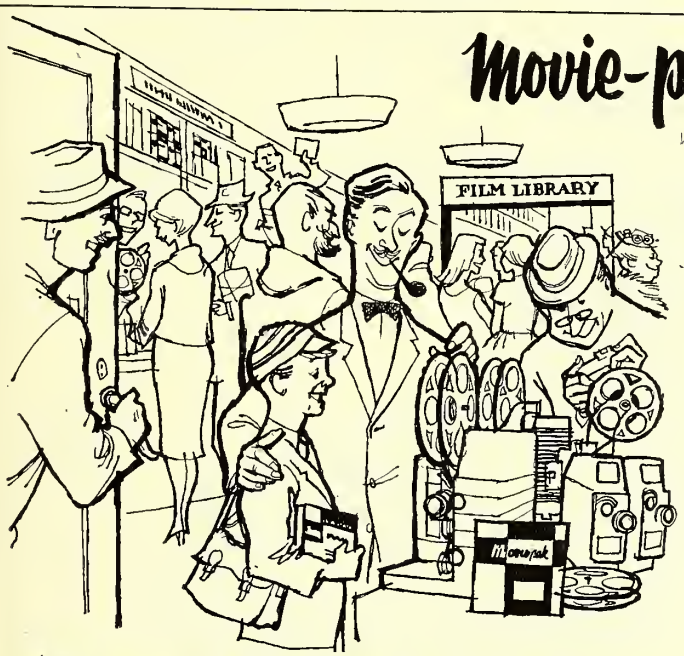
Philips Infraphil was installed in the medical centres at the last two Olympic Games. It is most valuable in alleviating the pain of arthritis, rheumatism and muscle-strain. Infraphil Infra-red lamp costs only **£3.3s.0d.** (as illustrated). De-luxe model "A" **Price: £4.4s.0d.**

A doctor's certificate must be presented when either of these lamps is purchased by the public.

PHILIPS

PHILIPS ELECTRICAL LTD
ELECTRICAL APPLIANCES DIVISION
Century House · Shaftesbury Avenue · London · W.C.2

(INF3083A)



Movie-paks mean more customers... who'll keep coming back

Build a Movie-pak Library and you build a wide, firm circle of regular customers. For every Movie-pak hired means a customer inside your shop twice (first to select, then to return) and he'll see whatever you care to display—*twice*. Result? Customers see what they need: equipment or screens, accessories or films . . . whatever it is, in *your* shop. Buying from you becomes a comfortable habit. Profit in *so many* ways by building up your Film Library with Movie-paks—stock the latest releases. You can count on us to help you with catalogues and displays.

... You'll sell MOVIE-PAKETTES, too, at 25/- a time!

Customers find 8 and 16 mm. Movie-pakettes wonderful value and can afford to buy them often and regularly. No wonder sales are soaring with such excellent films, and such a variety at 25/- for an 8 mm. movie—four for a fiver. Get your projector customers into the habit by selling them Movie-pakettes when they buy their projectors . . . they'll keep coming back for more.

Movie-paks & Movie-pakettes

help your sales in *so many* ways!

G. B. FILM LIBRARY
Proprietors: RANK PRECISION INDUSTRIES LTD.
DEPT. CD/15 59 AINTREE ROAD, HEREVALE, GREENFORD MIDDLESEX.

Binki Pants on Television

Tyne Tees Television

Mon	Sept 28
Wed	Sept 30
Sat	Oct 3
Mon	Oct 5
Sat	Oct 10
Mon	Oct 12
Tues	Oct 13
Sat	Oct 17

(8 Transmissions)

Midlands Television

Wed	Sept 9
Thur	Sept 10
Thur	Sept 17
Fri	Sept 18
Thur	Sept 24
Fri	Sept 25

(6 Transmissions)

Scottish Television

Mon	Aug 24
Thur	Aug 27
Sat	Aug 29
Mon	Aug 31
Sat	Sept 5
Wed	Sept 9
Sat	Sept 12
Fri	Sept 18
Sat	Sept 19
Thur	Sept 24
Sat	Sept 26

(11 Transmissions)

London Television

Half Minute "Jims Inn" 10.45/11.00 Fri Sept 11

BINKI REGD. *Baby Pants*

WHOLESALE and EXPORT ONLY

ELSINORE TEXTILE PRODUCTS LTD.
10/16 SCRUTTON STREET, LONDON, E.C.2
Telephone: **BIShopsgate 7936**

The Beatson Tablet

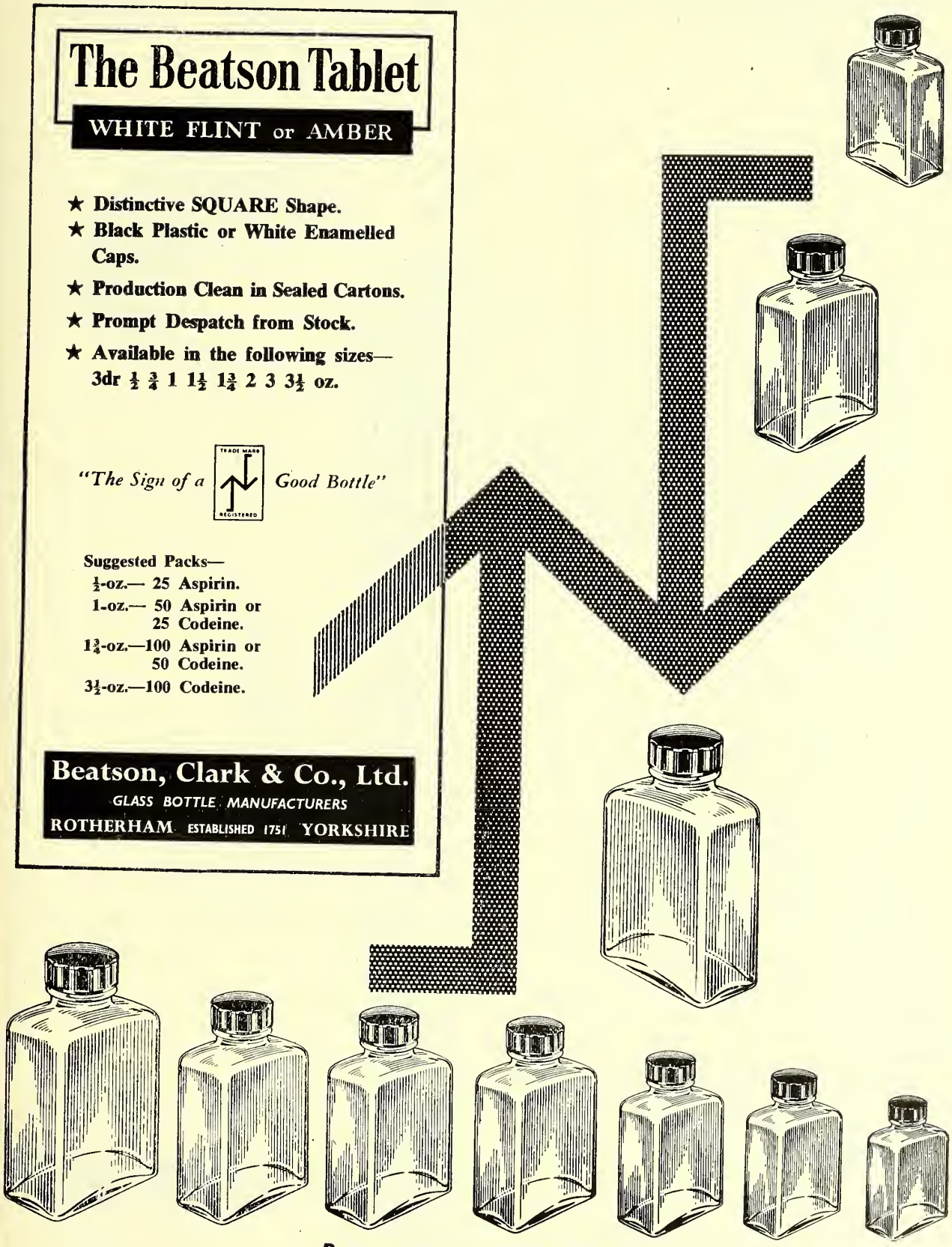
WHITE FLINT or AMBER

★ **Distinctive SQUARE Shape.**
★ **Black Plastic or White Enamelled Caps.**
★ **Production Clean in Sealed Cartons.**
★ **Prompt Despatch from Stock.**
★ **Available in the following sizes—**
3dr ½ ¾ 1 1½ 1¾ 2 3 3½ oz.

"The Sign of a TRADE MARK ↑↓ REGISTERED *Good Bottle"*

Suggested Packs—
½-oz.— 25 Aspirin.
1-oz.— 50 Aspirin or 25 Codeine.
1¾-oz.—100 Aspirin or 50 Codeine.
3½-oz.—100 Codeine.

Beatson, Clark & Co., Ltd.
GLASS BOTTLE MANUFACTURERS
ROTHERHAM ESTABLISHED 1751 YORKSHIRE



Be sure to specify BEATSON

BTI (R)

Delicious

Multi-Vitamin

supplement

for all ages

Vitavel Syrup is readily accepted by patients of all ages. This liquid vitamin supplement is delicious—a careful blend of true orange juice and liquid glucose with vitamins A, B_1, C and D.

One fluid ounce contains at time of manufacture:—

VITAMIN A 20,000 i.u.
VITAMIN B_1 4 mg.
VITAMIN D 3,000 i.u.
VITAMIN C 80 mg.
LIQUID GLUCOSE B.P. 25% W/V

Vitavel Syrup

Packs	Retail	Chemists
6 fl. ozs.	3/9	2/6
40 fl. ozs.	24/-	16/-

BEMAX stabilized wheat germ is the richest known natural vitamin-protein-mineral supplement. It offers easily digested nutritional support for patients of all ages.

PREGNAVITE during pregnancy. A comprehensive vitamin-mineral supplement.

Packs	Retail	Chemists
60	4/1	33/4 per doz.
120	7/4	59/10 ,, ,,
1,000	48/-	32/9 each

For full details of prices and trade terms write for latest copy of the Vitamins Ltd. Price List.

VITAMINS LIMITED

(DEPT. A.A.2.)
UPPER MALL,
LONDON, W.6.

HILL AND MARGINAL FARMERS

A new, combined protection against Lamb Dysentery & Pulpy Kidney disease from the Wellcome Research Laboratories

A considerable step forward has resulted from the introduction of 'Wellcome' Improved Lamb Dysentery Vaccine.
This new vaccine, given to ewes and gimmers in a dose of 2 c.c. will protect their new-born lambs, through the first milk, against pulpy kidney disease as well as lamb dysentery: the protection against pulpy kidney disease extends for the first eight to twelve weeks of life.
The use of this vaccine can be so adapted that it will afford protection in a breeding flock to the adult sheep themselves against pulpy kidney disease and "struck".
Order your supplies now, for the first dose of this vaccine should be used in unprotected flocks at "tupping" time.

'WELLCOME' BRAND Improved Lamb Dysentery Vaccine

VETERINARY PRODUCTS BW&CO

Bottles of 100 c.c. (50 doses) Prepared at the Wellcome Research Laboratories

BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON

5478

FIGGERROLLS

will help to increase your sales of

STARCH-REDUCED ROLLS

A NEW FLAVOUR FOR DIABETICS AND SLIMMERS

Diabetics and slimmers alike will welcome the appetising whole wheat flavour of starch-reduced Figgerrolls—crisp and delicious, they are a delicious break in the monotony of an ordinary low starch diet. Figgerrolls are made with nutritionally valuable fresh wheat gluten, and they are enriched with specially processed wheat germ and the most nutritious parts of the bran. In the manufacture of Figgerrolls every care is taken to ensure that each roll contains the stated amount of protein.

ANALYSIS

For diatetic or medical purposes

	Gm./oz.
Protein (N X 5.7)	11.5
Carbohydrates	11.7
Fat	1.4
Salt	0.6

Calories 107 per oz.
Four Figgerrolls weigh approx. 1 oz.

TRADE TERMS

12 x 30 roll packs 24/- per case
24 x 10 roll packs 23/- per case
Order from your usual wholesaler

WHITWORTH'S
STARCH-REDUCED
FIGGERROLLS

WHITWORTHS HOLDINGS LIMITED · WELLINGBOROUGH · NORTHANTS

A NEW PRODUCT

FUROXONE

BRAND OF FURAZOLIDONE

Bactericidal to the majority of pathogens responsible for bacterial gastro-enteritis. Indicated in :

non-specific diarrhoeas

bacillary dysentery

bacterial food poisoning

FUROXONE

has an antibacterial spectrum that is exceptionally well suited to controlling gastro-intestinal infections

relieves symptoms rapidly

is safe in all forms of bacterial gastro-enteritis

seldom evokes bacterial resistance

remains effective against organisms that have developed resistance to non-nitrofuran chemotherapeutic agents

is bactericidal—not bacteriostatic

PRESENTATION

FUROXONE is available in 100 mg. tablets in packs of 20 and 200. There is also a suspension in 8 oz. bottles containing—1624 mg. furazolidone, with kaolin and pectin.

FORMULA

FUROXONE tablets each contain 100 mg. furazolidone ; one medical tablespoonful of 'Furoxone' suspension contains 100 mg. furazolidone.

Smith Kline & French Laboratories Ltd
Welwyn Garden City, Herts

Licensees of The Norwich Pharmacal Co. USA

FN:TA109 'Furoxone' is a trade mark. Brit. Pat. Nos. 679202, 735136, 735169, 765898

all this and bottles too!

Above.
COSMETIC CONTAINERS FOR LIQUIDS, CREAMS & POWDERS, A PIGGY BANK, HOT WATER BOTTLES, OIL CHECK AND CISTERN FLOAT.

Below.
LACRINOID STANDARD BOTTLES
Over 60 different types from 10 c.c. to 60 litres

Eye appeal is sales appeal.
One of the surest ways to catch the customer's eye is to exploit colour and design attractive shapes.
When it comes to containers, the Lacrinoid Blow Moulding process will suit you best.

Lacrinoid are specialists in Blow Moulding: their Product Designer is at your disposal.

LACRINOID
TRADE MARK

LACRINOID PRODUCTS LTD · GIDEA PARK · ESSEX · *Hornchurch 52525*

Materia Medica Riker

DEANER *

'Deaner' is the para-acetamidobenzoic acid salt of 2-dimethylaminoethanol indicated for the treatment of debility and mild endogenous depression. Good reports have also been received on the use of 'Deaner' in chronic and migraine headache.

DUROPHET

'Durophet' contains a new formulation of *dextro* and *laevo* amphetamine, in the ratio of 3 to 1, bonded to an ion-exchange resin to give prolonged action. It assists appetite control in the treatment of obesity without producing overstimulation and the effect lasts 12 to 14 hours. It is available in capsules containing 7½ mg., 12½ mg. and 20 mg., to meet the requirements of individual patients and the dose is one capsule a day at breakfast time.

FERROIDS *

A new iron compound containing iron aminoates in which the iron is partly chelated with a mixture of amino acids. The compound provides an exceptionally high degree of utilisation of iron with negligible side effects. Daily rises in hæmoglobin of up to 2% a day have been reported.

INTRALGIN *

A percutaneous analgesic for the treatment of acute trauma, sprains, strains and all forms of non-articular rheumatism. 'Intralgin' is not a rubefacient but is absorbed through the skin into the affected muscles. 'Intralgin' liquid is available for application as a wet dressing. 'Intralgin' Gel is intended for gentle massage in less severe cases.

** Regd. Trade Mark of* RIKER

THE MEDIHALER *

The first product to apply the principle of the pressurised aerosol to inhalation therapy. In each 'Medihaler' the drug is suspended in an inert propellent under pressure in a stainless steel vial. The drug is micronised to optimum particle size to ensure effective deposition in the lower respiratory tract.

The following 'Medihaler' products are available for use in the *symptomatic relief* of bronchial asthma.

'Medihaler Epi' *

Each unit contains 7 mg/ml of Adrenaline Bitartrate B.P. and a dose equivalent to 0.15 mg of adrenaline base is delivered at each operation.

'Medihaler Iso' *

Each unit contains 2mg/ml of Isoprenaline Sulphate B.P. and a dose of 0.075mg of the drug is delivered at each operation.

For prophylactic treatment in bronchial asthma the following is recommended :-

'Medihaler' * Cort.

Each unit contains 30mg/ml of Hydrocortisone Acetate B.P. and each single operation delivers 1.5mg. of the drug.

Each 'Medihaler' vial contains approximately 200 doses.

PENTOXYLON *

A more complete treatment for angina pectoris, combining the bradycardic and tranquillising effects of Rauwiloid with the prolonged vasodilating action of pentaerythrityl tetranitrate.

RAUWILOID *

A standardised Rauwolfia product containing all the desirable alkaloids of the crude drug in purified form.

RAUWILOID + VERILOID *

A balanced combination of 'Rauwiloid' and 'Veriloid' enabling higher doses of the latter to be administered with no undesirable side effects.

RIKER LABORATORIES LTD. LOUGHBOROUGH LEICESTERSHIRE

A Standard of Quality — Established 1869

We specialise in Chemists "Own Name" packs and can offer a prompt and efficient service.

A very comprehensive range of official Lozenges and Pastilles in stock

Enquire for price list and direct buying terms to :—

THOS. GUEST & CO. LTD., CARRUTHERS STREET, MANCHESTER 4

Brush away AGEING GREY at home with SAFE

SHADEINE

Still the best hair tint. In all natural Shades. Stocked by all Wholesalers. Trade prices: 1-oz., 26/2 per doz., 2-oz., 37/11 per doz. Purchase Tax 60%. Retail prices, 4/- and 5/9½ per bottle respectively.

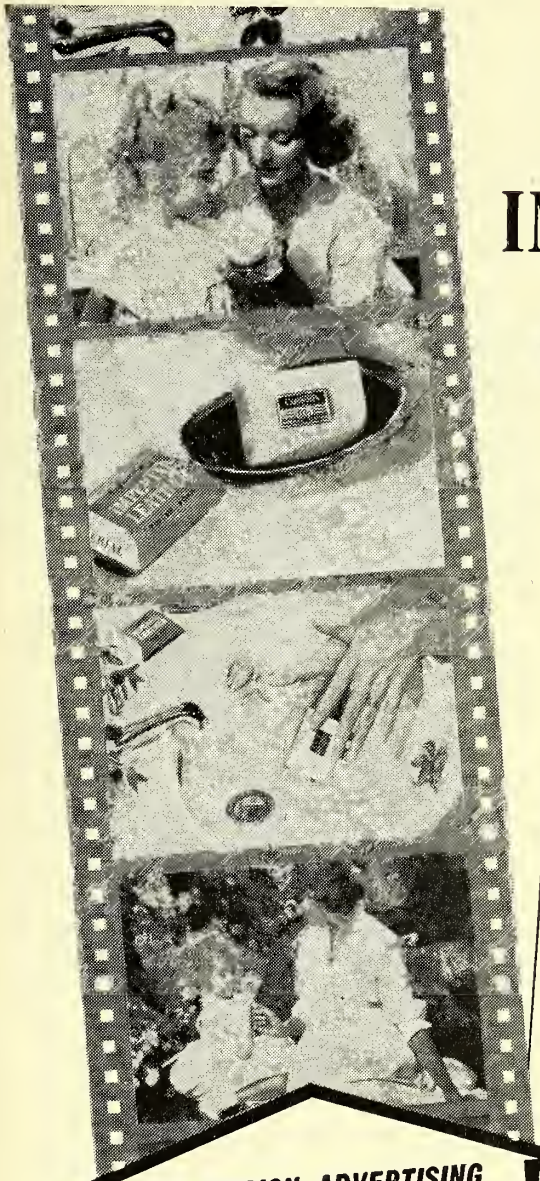
Also the new GOLDEN SHADEINE for lightening mousey hair. 2-oz. size at 26/2 per doz. Purchase Tax 60%. Retailing at 4/- per bottle.

THE SHADEINE COMPANY LTD.
49 CHURCHFIELD ROAD, ACTON, LONDON, W.3

TRADE MARK

YOUR SALES ARE ASSURED IF YOU STOCK SHADEINE

Hair Tint and Golden Shadeine



Cussons IMPERIAL LEATHER

Now! An AUTUMN SCHEME for SOARING SALES

You already know the tremendous sales impact the Cussons Spring Campaign created. Now here's another powerful scheme for the Autumn soap-sale peak, starting in September. Then too, from October 1st there's another sales boost—an attractive Imperial Leather 3-tablet gift pack.

ORDER YOUR STOCKS TODAY

TELEVISION ADVERTISING

This new compelling 45 second television commercial sells Imperial Leather on LONDON, MIDLANDS, NORTH, SCOTTISH AND TYNE TEES NETWORKS.

PRESS ADVERTISING

This attractive ad. appears in 'WOMAN' — the weekly woman's magazine with the highest readership among your customers.

CS24

G

TRUTH ON T.V. SELLS Diuromil

ALL the year round !

Hundreds of testimonials for DIUROMIL each tell an entirely unsolicited true-life story. That is why the new DIUROMIL T.V. Commercial is more forceful than fiction. It is based on a real person telling her own true story of relief from rheumatic pain, filmed without substituting professional actors. The results are shown in the increased demand for DIUROMIL—a substantial increase even when taking into account the results that television always brings.

Show DIUROMIL on your counter, and profit by this confidence in DIUROMIL. Tie-in with the genuine T.V. story which is consistently *ON T.V. NETWORKS ALL THE YEAR ROUND.*

Be in the sales picture — sell DIUROMIL in the relief from pain due to

RHEUMATISM · GOUT · LUMBAGO
ACHING MUSCLES · CYSTITIS · PYELITIS

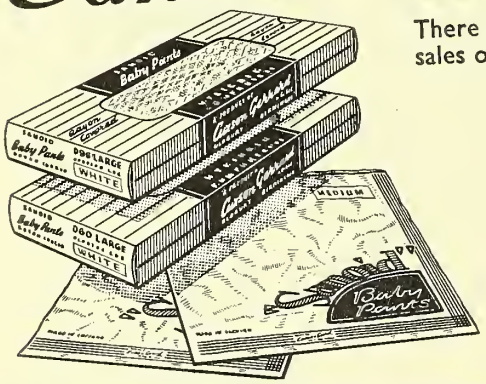
DISPLAY Diuromil

Profit for YOU

More Benefit for your Customers

Display material available from:—
PHARMAX LTD., WESTERN HOUSE, GRAVEL HILL, BEXLEYHEATH, KENT

Sanoid BABY PANTS



There are good reasons why many Chemists are enjoying profitable sales of this product.

1. Made from hard-wearing plastic.
2. Generous in size, comfortable in use.
3. Well presented at attractive prices.
4. Choice of three qualities.
5. Readily sold all the year round.
6. The quality ensures repeat business.

Why not place a trial order ? You can't go wrong.

NOW AVAILABLE—An Appealing Full Colour Showcard

PLASTIC BABY PANTS in Cellophane Bags.	Trade Dozen
Medium or large size.	
D.56 Elastic Legs	15/4
D.57 Non-elastic legs	15/4

NEW PLASTIC BABY PANTS In self-colour or pink. Each in attractive carton.	Trade Dozen
Medium and large	
D.60 Elastic legs	18/-

NEW PLASTIC BABY PANTS (Rayon covered) Each in attractive carton, in Peach or White	Trade Dozen
Medium and large	
D.96 Elastic legs	30/-

Also "SANIBRIEFS" and "SANIPANTS" for ladies

PRODUCTS OF *Cuxson, Gerrard & Co. Ltd.* OLDBURY, BIRMINGHAM

The tree of life, the symbol of the highest quality in fine chemicals today.

CARNEGIES of WELWYN LTD.
ESTABLISHED 1911

Manufacturers and Suppliers of

ADRENALINE
ADRENOCHROME MONOSEMICARBAZONE
ALPHANAPHTHYL ACETIC ACID
AMINOPHYLLINE
BISMUTH SALTS
BRUCINE AND SALTS
CAFFEINE AND SALTS
CHRYSAROBIN
EPHEDRINE AND SALTS
HYDANTOIN DERIVATIVES
IODIDES
ISOPRENALINE SALTS
METHOIN
NORADRENALINE AND SALTS
P.A.S. SODIUM
PIPERAZINE AND SALTS
RESERPINE
SANTONIN
STRYCHNINE AND SALTS
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THIOMERSALATE
QUININE AND SALTS
CINCHONA FEBRIFUGE
TOTAQUINA

CARNEGIES OF WELWYN LTD.
Welwyn Garden City, Hertfordshire, England

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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 172 September 5, 1959 No. 4150

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PUBLISHED BY
MORGAN BROTHERS (PUBLISHERS), LTD.,
at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565
Telegrams: Chemicus, Estrand, London

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GLASGOW: 160 Nether Auldhouse Road, S.3. *Phone: Langside* 2679.
LEEDS, 16: 32 Wynford Rise, West Park. *Phone: Leeds* 67 8438.

ANNUAL SUBSCRIPTION
which includes The Chemist and Druggist Diary and Year Book, £2 10s. Single copies one shilling each.

Doctors scrub with it
Athletes tub with it

Housewives, children, *everyone*, goes for it.
And consistent advertising, powerful promotion and point-of-sale display aids will keep them coming back to your door for more.

WRIGHT'S

COAL TAR SOAP

increasing every day in the public favour for family hygiene

YOUR BEST SELF-SELLER!

THE GOLDEN TABLET IN BATH AND TOILET SIZES

Every Pharmacist knows....

The answer to multiple competition is "own name packs" showing substantial profits and regular repeats.

Write to-day for bonus terms and samples of

"Seaglow" REGD.

Capsules of Halibut Liver Oil B.P.
Multivitamin Pep Tablets
Yeast Tablets B.P.

to **THEAKROCK PHARMACEUTICALS LTD.**

14 York Buildings · Hastings · Sussex

The CHEMIST AND DRUGGIST

Volume 172 SEPTEMBER 5, 1959 No. 4150

Import Duties

EXEMPTIONS UNTIL OCTOBER 1

THE Treasury has made the Import Duties (Temporary Exemptions) (No. 8) Order, 1959, S.I., 1959, No. 1530, which provides that the following chemicals shall be temporarily exempted until October 1 from import duty chargeable under the Import Duties Act, 1958.

Lithium borohydride
*iso*Butene
2:4-Dimethylpentane
n-Dodecane
Hept-1-ene
Hept-2-ene
Hept-3-ene
Hex-2-ene
Indane
Isoprene
2-Methylbut-2-ene
2-Methylbutene, mixed isomers
n-Octadecane
2:2:4-Trimethylpentane
m-Dichlorobenzene
1:1-Dichloroethylene
1:2:3-Trichlorobenzene
Resorcinol
4-Ethylguaiacol (—OH = 1)
o-Nitrobenzaldehyde
2-*n*-Butylidenecyclopentanone
Stanolone
Ethyldigol acetate
Hex-3-enoic acid
Pent-2-enoic acid
2-(4-*iso*Propenylcyclohex-1-enyl)ethyl formate
Zinc *n*-heptoate
Di(tridecyl) sodium-sulphosuccinate, mixed isomers
Terephthaloyl chloride
Calcium bromide lactobionate
3:4-Dihydroxybenzoic acid
1:2-Diaminopropane
3:4-Dichloroaniline
N-Ethyl-*m*-toluidine
2:4:6-Trichloroaniline
o-Aminobenzaldehyde
1:3-Diaminopropan-2-ol-*NNN'N'*-tetra-acetic acid
Methyl 1-hydrogen glutamate
1-Hydroxymethyl-5:5-dimethylhydantoin, solid
1-Naphthyl methylcarbamate
Pimelonitrile
1-Naphthylhydrazinium chloride
Phenelzine hydrogen sulphate
*sym*Diphenylthiourea
Phenylarsonic acid
Acridine
Chloroquine
Cytidine
2:4-Dimethylthiophan 1:1-dioxide
Diphenylpyraline hydrochloride
1-(2-Hydroxyethyl)-2-*n*-nonyliminazoline
10-[2-(*N*-Methyl-2-piperidyl)ethyl]-2-methylthiophenothiazine hydrochloride
Phenazone
Potassium dichlorocyanurate
Thiotepa
Triethylenediamine
Magnesium ascorbate
Diphenylpyraline 8-chlorotheophyllinate
D-Lysergic acid diethylamide tartrate-methanol complex
Kanamycin sulphate
Amber coloured tubing of soda glass, not being glass containing 0·25 per cent. or more of cadmium, free or combined, calculated as Cd

Factory Orders

A NEW EDITION

FACTORY Orders is the title of the 1959 edition of a volume of regulations, orders, rules, etc., issued under the Factories Acts, 1937 and 1948, and certain other Acts. Certain Statutory Instruments made under the Defence Regulation 59 (1) are contained in the appendix. The volume also includes details of the various Certificates of Exemption and Approval issued by H.M. Chief Inspector of Factories (H.M. Stationery Office, price 21s.).

Retail Trade

CHEMISTS' GROWTH IN SEVEN YEARS

RETAIL trade turnover in Britain rose by almost £2,700 millions to £7,798 millions between 1950 and 1957 according to the Report on the Census of Distribution and Other Services published recently by H.M. Stationery Office, price 5s. Turnover of chemists and photographic dealers rose from £167 millions in 1950 to £269 millions in 1957 although the number of establishments actually dropped from 18,209 to 18,129. Turnover by Co-operative Societies in chemists' and photographic goods rose from £9·6 millions in 1950 to £16·3 millions in 1957 and retail establishments with ten or more branches (other than Co-operative Societies) increased from £54·7 millions to £93·2 millions.

Outer Seven

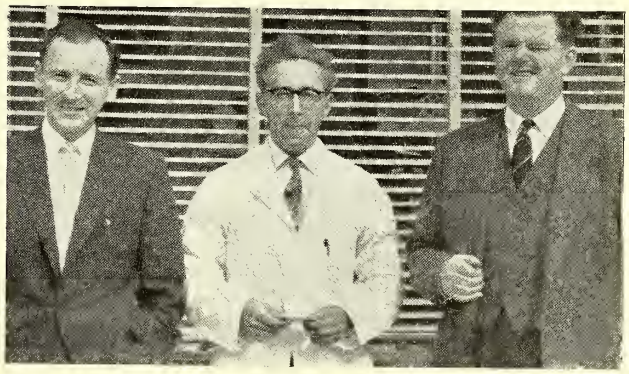
AN EXPLANATORY BOOKLET

THOUGH the negotiations for a Free Trade Association amongst the "Outer Seven" (see *C. & D.*, August 15, p. 68) have made rapid progress, little has yet been published about it. A Chamber of Commerce booklet entitled *The Seven* (Chamber of Commerce Publications, 68 Queen Street, London, E.C.4, 2s. 6d., post free) now provides businessmen with a simple guide. It outlines the background of the earlier, abortive, attempt to form a European Free Trade Area and the negotiations among the "Seven"; summarises briefly the Stockholm draft plan; and gives statistics on the trade of the proposed Free Trade Association.

Britain and Denmark

SOCIAL SECURITY PACT

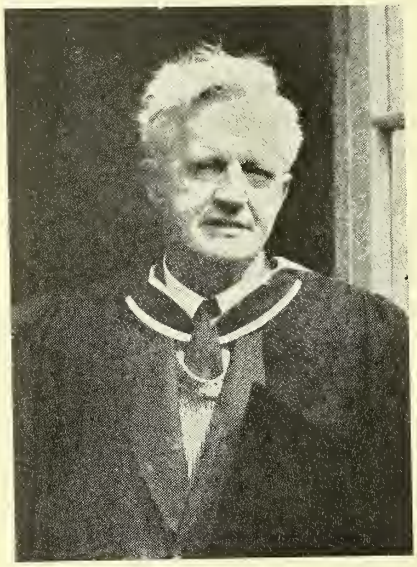
A CONVENTION on Social Security has been signed by the United Kingdom and Denmark and will come into operation at a later date when it has been ratified. The Convention covers all the benefits provided by the schemes of National Insurance, Industrial Injuries Insurance, and Family Allowances in this country and the corresponding benefits in Denmark. Medical treatment will be available under the Danish scheme of sickness insurance in Denmark for all British nationals in Denmark and their dependants who are in urgent need of medical treatment.



£25 PRIZE: Mr. G. Penman (manager of the Lochgelly Co-operative Society's drug department at Ballingry with his £25 cheque as winner for the northern region of the window-display competition organised by Bowater-Scott Corporation (see *C. & D.*, August 22, p. 78). With him are the sales manager (Mr. S. A. Urquhart) (left) and local representative of the company.

MR. CHARLES MORTON RETIRES

Head of Chelsea's school of pharmacy since 1933



MR. Charles Morton, B.Sc., F.P.S., head of the School of Pharmacy, Chelsea College of Science and Technology since it was established as a separate department in 1933, retired on August 31. Born in Derbyshire, Mr. Morton had his schooling in Derby. He claims to have entered pharmacy "by accident" when by chance he saw an advertisement for an apprentice, applied for the post, was accepted and articled. He attended the Technical College, Derby, completed his studies at the South of England School of Pharmacy in London, and qualified in 1915. After a short period as manager of a retail pharmacy in Derby he served with the British Red Cross Society in various military hospitals during the 1914–18 war. After the war he took up teaching, first at the privately owned London College of Pharmacy and then at Chelsea Polytechnic. In 1919 he was appointed to the staff of the Polytechnic in the Department of Chemistry, which was then responsible for the teaching of pharmacy, and in 1925 he obtained the degree of Bachelor of Science in the University of London. His first research paper appeared in the following year.

In 1933, when a separate department of pharmacy was established at the Polytechnic, Mr. Morton was appointed its head. At that time the school was preparing students for the Chemist and Druggist and Pharmaceutical Chemist qualifications, the B.Pharm. degree of the University of London and the Apothecaries' Hall certificate. Under his leadership that work continued, but in the years following the 1939-45 war an internal course for the honours degree was successfully introduced, and all courses below degree standard were discontinued. During the same period accommodation and student intake expanded, and there was a considerable increase in post-graduate studies and research. The teaching staff of the school has grown in proportion to those changes and now numbers forty.

On Examination Boards

In addition to being head of the school Mr. Morton is a member of the University Board of Studies in Pharmacy and on the boards of examiners both for the University and for the Pharmaceutical Society. Until recently he was chairman of three committees of the British Standards Institution: one for producing standards for glass electrodes; another for laboratory potentiometric meters and a third for deflection *p*H meters. His appointment to those committees reflects his standing in that field of physical chemistry which has been his research subject for over thirty years.

In the 1920's the measurement of potentials across glass electrodes was not the simple procedure it is today. Mr. Morton found one worker in the field, Mrs. Kerridge, using a potentiometer with a Lindeman electrometer, which was inconvenient. Himself a radio enthusiast, he applied the thermionic valve to the measurement of those potentials and the apparatus he devised was the basis of the Morton *p*H meter, of the type that has since become common in laboratories. The work was the subject of a number of published papers, the first of which appeared in 1928. In September 1932 Mr. Morton described the now well-known portable thermionic electrometer or *p*H meter (*J. sci. Inst.*, 1932. **9.** 289), which he had demonstrated at a *soirée* of the Royal Society in the previous May. Other published work includes methods of analysis for alkaloids, iron compounds and iodine solutions; studies in the stability, composition and complex formation of a number of pharmaceutical substances; the ionisation of polyhydric acids, and modifications to the polarograph and to spectrophotometric instruments.

Mr. Morton's quiet modesty has tended to obscure the full extent of his scientific and administrative achievements, but the present size and work of the School clearly indicate the quality of his leadership. By all who attended his lectures he will be remembered for the clarity and precision of his teaching. His retirement from the School does not mean retirement from his scientific interests. In addition to the consultative work he has agreed to undertake, he will continue to pursue his research subject. Nevertheless he looks forward to more time for tennis, a game he has played for many years and continues to play with great enthusiasm, and for another more recent interest: stereoscopic colour photography. His colleagues, and the many pharmacists in Great Britain and the Commonwealth who were once his students, will join in wishing him a long and happy retirement.

MANUFACTURERS' ACTIVITIES

Chemical Worker as Golf Champion.—The Indian golfer Papwa Sewsunkum Sewgolum, who was the winner of the Dutch open golf championship recently, is a chemical worker brought over from South Africa by his chief (Mr. Graham Wulff, managing director of Adams National Industries, proprietors of oil of Ulay).

Computer on Order.—To keep pace with the requirements of an expanding business and to improve further the service to their customers, Kodak, Ltd., Kingsway, London, W.C.2, have placed an order with E.M.I. Electronics, Ltd., for an Emidec 1100 all-transistor computer. The computer forms the nucleus of an electronic data-processing centre to take care of the accounting, stock recording, and production planning activities of the company. From each of Kodak's nine United Kingdom branches, information regarding deliveries of goods to customers will be sent to the data-processing centre in the form of punched paper tape, where it will be processed at electronic speeds.

Expansion Plans. — Commemorating the 25th anniversary of the company's first production of titanium dioxide, the chairman of British Titan Products Co., Ltd. (Mr. G. H. Beeby), recently presented a wallet to each employee. He said that in the first year they produced about 2,000 tons of pigment; in 1959 production was expected to reach 90,000 tons in their English factories alone. Asked about the future development plans of the company Mr. Beeby said that, to meet the increasing demands in the United Kingdom and overseas, B.T.P. were undertaking a big expansion programme. The board has approved plans for extensions and entirely new plants estimated to cost in total about £14 millions. The programme included extensions of the two United Kingdom plants and of those in Australia and India, and the establishment of new factories in South Africa and Canada.

Shaving "Derby."—More than 200 dealers were present at a beard shaving "Derby" held in London, recently, and featuring the new Remington shaver. Three bearded men in a special enclosure equipped with electric clocks shaved themselves with the new Remington, and the dealers present were asked to complete entry forms estimating the time taken. The winning entry was received from Mr. Lionel Goldring who estimated 1 min. 17 sec. (actual time 1 min. 15 sec.). Mr. Goldring was presented with one of the shavers as a prize.

NEWS IN BRIEF

SALES of Birkenhead Co-operative Chemists, Ltd., in the quarter ended June 6 totalled £26,760.

No. 2 in the series of factory building studies by the Department of Scientific and Industrial Research, published recently (H.M. Stationery Office, price 3s. 6d.) deals with the lighting of factories.

APPLICATIONS for grants from the research fund of the Chemical Society should be submitted by November 14. Forms of application are available from the Chemical Society, Burlington House, Piccadilly, London, W.1.

THE Fire Protection Association, 31 Gresham Street, London, E.C.2, are organising a national "fire protection conference" to be held in London, February 1960. Admission is to be £2 10s. (£2 to members of the Association).

FOLLOWING a complaint from a member of the public that a bulk powder was dispensed in a paper bag, the details were recently considered by the Kingston-upon-Hull Pharmaceutical Committee. The pharmacist concerned was warned to study Part 6 of the Drug Tariff.

THE London Medical Exhibition is being held at the new hall of the Royal Horticultural Society, London, S.W.1, November 16-20 inclusive. Times of opening will be 11 a.m. to 6.30 p.m., and on November 19 to 7.30 p.m. Sir Daniel Davies (extra physician to the Queen) is to perform the opening ceremony.

COPIES of the Second Amendment, 1959, to the British National Formulary, 1959 (see *C. & D.*, August 29, p. 109) may be obtained from the Pharmaceutical Press, 17 Bloomsbury Square, London, W.C.1, price threepence. Orders should be accompanied by the remittance and an addressed envelope bearing a twopenny stamp.

PROFESSOR H. Mark (a director of the Polymer Research Institute, Polytechnic Institute of Brooklyn, New York) is delivering the fourth Baekeland memorial lecture of the Society of Chemical Industry, on the subject "Recent Progress in Polymer Chemistry," at the Royal Institution, Albemarle Street, London, W.1, at 6.30 p.m. on October 22.

IRISH BREVITIES

THE REPUBLIC

SIXTY members of the Irish Pharmaceutical Pilgrimage to Lourdes spent a fortnight at the famous shrine in August.

THE NORTH

ACCOUNTS for pharmaceutical services totalling £202,715 for August were adopted for payment at the August meeting of the Northern Ireland General Health Services Board.

LOCAL OFFICERS

PHARMACEUTICAL SOCIETY

North Metropolitan Branch.—*President*, J. F. Jack; *Vice-president*, J. S. Grant; *Treasurer*, G. E. Goss; *Assistant Secretary*, E. A. Darley; *Secretary*, W. J. F. Laxton, 605 High Road, Tottenham, London, N.17.

TOPICAL REFLECTIONS

By Xrayser

Relics of the past

There are occasions in our passage through life when we are brought up short and compelled to face the unpleasant fact that we are growing old. My most recent such experience occurred only last Friday. I blithely unwrapped my copy of THE CHEMIST AND DRUGGIST, totally unprepared for the shock which faced me on p. 117. There, in the centre of the page, was a photograph of a hand (and foot) tincture press, bearing the descriptive title "Museum Piece." Museum piece! It seems only yesterday that I put my feet firmly on two of *its* feet, and my hands on one end of the cross-piece, directly opposite a rosy faced youngster of about my own age who was similarly poised. We turned and pressed, turned and pressed, and a pleasantly blended aroma lay on the air, compounded of cardamom, caraway, cinnamon and alcohol. After we had exerted our youthful strength, it may be doubted if Hercules himself could have squeezed out another drop of liquid. But the last half-turn of the screw was only the climax of much endeavour, for the old governor did not spoil his apprentices. The cardamom was purchased whole—"undecorticated" the label informed us—and the seeds therefrom found their way into an iron mortar for reduction to the appropriate coarse powder. The following day the pharmacy would resound to the pounding of rhubarb root, gentian or gelsemium, and there were few days that the ring of iron pestle on iron mortar was not heard, even if it were only the muted note given off while bruising buchu leaves for a fresh infusion. On reflection, it seems that I am a relic of an earlier age, like the last cabby of Stanley Holloway in his earlier career with the Co-optimists. But I take heart from the circumstance that Mr. Holloway—who was wont to introduce himself musically with a reference to pills—is still a more than useful member of *his* profession. Museum piece indeed!

Old pharmacy

The descriptive article, with its illustrations of the old pharmacy at Bridport, is a fine example of the value of records. It may appear, to the envious observer, that it has rather more than its fair share of history, for the romantic story of its life of usefulness to the community since 1788 is surely sufficiently outstanding without the added attraction of the building having given refuge, in its earlier days, to Charles II. Your comment (p. 125) on the combination of tavern and pharmacy not being so incongruous as it might at first seem, since the building was originally the George Inn, is apt. But the fact that part of the building is now in use as a coffee tavern is even more appropriate, bearing in mind that the coffee-house, in the seventeenth and eighteenth centuries, was the traditional consulting place of the physician and apothecary. And, not content with the glamour attaching to King Charles, reconstruction of the tavern has brought to light a letter signed by Faraday! The pharmacy has evidently been in the hands of a succession of owners who have had a proper veneration for their inheritance, and it is gratifying to learn that the present owner obviously has an appreciation of his good fortune in succeeding to a unique business, to the running of which he has brought enterprise and courage.

Election portents

The publication of the Labour Party's policy statement on the National Health Service, summarised last week on p. 118, is presumably timed with an eye to the next General Election. Pharmacists appear to have attracted less notice than the commodities in which they deal, though it is interesting to note that there is an expressed intention to abolish prescription charges—an action which would be welcomed by pharmacists no matter which government took the necessary steps. It would also please the doctors, who demanded the abolition at their recent conference at Edinburgh. It should now be obvious to all politicians that the imposition of charges did not achieve the objective that both major political parties, at one time or another, thought it would.

TRADE NOTES

Vitamin D_3.—Vitamin D_3 and pure crystalline D_3 are offered by Peboc, Ltd., 629 Tower Building, Liverpool, 3.

Surgical Elastic Hosiery.—Manufacturers of the Verlog brand of surgical elastic hosiery, belts, trusses and athletic supports are Thomas Glover & Son, Ltd., Carlton, Nottingham.

Cosmetic Range Extended. — Jane Seymour, Ltd., 162 New Bond Street, London, W.1, are marketing a skin perfume in their "Embrace" and "Blue Gardenia" fragrances.

Quinine Sulphate.—The British Dyewood Co., Ltd., 19 St. Vincent Place, Glasgow, C.1, offer quinine sulphate to meet the requirements of the B.P. 1953 and B.P. 1932.

"Own Name" Lozenges. — Thomas Guest & Co., Ltd., Carruthers Street, Manchester, 4, specialise in chemists' "own-name" packs and offer a comprehensive range of official lozenges and pastilles.

Deleted from List.—Boots Pure Drug Co., Ltd., Station Street, Nottingham, announce that injection of bismuth, B.P. (Bismostab brand) has been deleted from their list (in the 5-mil rubber-capped vial size only).

Gift Packs. — T. L. Benton & Co., Ltd., 186 Seven Sisters Road, London, N.7, draw attention to their Chandau range of coffrets for the Christmas season. Presentation packs for both men and women are available.

Discontinued.—A. Wander, Ltd., 42 Upper Grosvenor Street, Grosvenor Square, London, W.1, have discontinued issuing Alasil tablets in 30's and 50's (large bottles); and juvenile Alasil in 68's and 375's.

500-tablet Pack. — Imperial Chemical Industries, Ltd., pharmaceuticals division, Fulshaw Hall, Wilmslow, Ches, announce that their Tenormal brand pempidine tartrate tablets, 1-mgm., are now available in an additional 500-tablet pack.

Counter Lines.—Theakrock Pharmaceuticals, Ltd., 14 York Buildings, Hastings, Sussex, invite chemists to write for samples and bonus terms of Seaglow capsules of halibut-liver oil, B.P., multivitamin "pep" tablets, and yeast tablets, B.P.

Sunlamps.—Philips Electrical, Ltd., electrical appliances division, Century House, Shaftesbury Avenue, London, W.C.2, draw attention to their Ultraphil ultra-violet and Infraphil infrared sunlamps, for which a doctor's certificate is necessary.

Retained Sizes.—Ward Casson, Ltd., 2 The Green, Richmond, Surrey, announce that, although certain packs of their Deltasson and Deltolasson tablets have been discontinued, the following have not been withdrawn: Deltasson (prednisone) 1-mgm. and 5-mgm.; and Deltolasson (prednisolone), 1-mgm. and 5-mgm., all in packs of thirty, 100 and 500.

"Key" Marketing.—T. B. Browne, Ltd., 117 Piccadilly, London, W.1, having completed two years' survey work, offer a service in marketing and merchandising with advertising in which policy is concentrated on outlets which the survey has shown to be most effective. The Midlands area has been particularly developed in respect of linkage with regional television advertising.

Bulbs in Cartons.—Geest Industries, Ltd., White House Chambers, Spalding, Lincs, have redesigned the cartons in which they issue prepacked bulbs. The new carton carries a full colour illustration of the bloom, and complete cultural instructions. The range has been increased. Details are available from the pre-packed bulb division of the company.

Cosmetics from Australia.—B.G.P. (Cosmetics), Ltd., 37 Chesham Place, London, S.W.1, are introducing in Britain the cosmetic specialities Mascarina and Shado-Cara created by the Australian concern Renee Morris Preparations. Mascarina includes two different shades of both mascara and shadow, and the Shado-Cara a range of shadows. They are presented together in a plastic compact-type case with brush for application.

Revised Packs. — A. Wander, Ltd., 42 Upper Grosvenor Street, Grosvenor Square, London, W.1, announce the following revised packs of four of their tuberculostatic specialities:— B-PAS calcium salt (1-gm. cachets): tins of 100 and 500; calcium B-PAS powders (3·5-gm. packets): tins of 100 and 500 packets; B.-Pasinah cachets containing 1 gm. calcium B-PAS plus 25 mgm. of INAH: tins of 100 and 500 cachets; and B-Pasinah powders (each containing 3·5 gm. of calcium B-PAS plus 87·5 mgm. of INAH): tins of 100 and 500 packets.

No Connection. — By inadvertence an incorrect symbol was included in an announcement by Veb Rumbo Seifenwerk, Freital/Sa, East Germany, in the *C. & D.*, August 29. The Mysore Government's seal should not have appeared, and the publishers wish to correct any mistaken impression that may have been created. The advertiser has no connection with the Mysore Government, which is the only supplier in the world of genuine Mysore Government sandalwood oil, a product used, of course, in many soap, perfumery and cosmetic products.

CONTENTS OF CARTON: Within the carton of Panadol elixir (Bayer Products, Ltd., Kingston-on-Thames) are the bottle of product, a leaflet, and a plastic spoon with handle in animal design.

Booklets on Health.—Available only from chemists, the revised list of *Family Doctor* shilling booklets on health now includes the following titles:—Change of Life; Infectious Diseases of Childhood; The Facts of Life; Slim Safely; Having a Baby; All About Asthma; Child Management; Milestones in the First Four Years; Infant Feeding; First Baby; Special Diets; Feeding the Family; How Your Life Began; Childless Marriage; Almost all about Diabetes; Smoking—The Facts; Poise and Relaxation; Rheumatism; Ante-natal and Post-natal Exercises; Common Ailments in Babies; and Common Ailments in Toddlers.

"Own-name" Service. — Lincoln Chemicals, Ltd., 55 Strafford Road, London, W.3, operate an "own-name" service for chemists that includes individual printing to the chemist's requirements in a range of five shampoo sachets (four of them creams, one a liquid). The minimum order is 2 gross, the price decreasing for larger quantities. Messrs. Lincoln have introduced and added to that service in 1-gross minimum quantities a new medicated shampoo (containing bithionol). The service for the new shampoo comprises printing in gold at no extra charge—and the formula, with instructions for use, is automatically printed on the back of each sachet, again at no extra charge.

Bonus Offers

ALLEN & HANBURYS, LTD., Bethnal Green, London, E.2, give a reminder that their Acriflex display offer ended on August 29.

POTTER & CLARKE, LTD., River Road, Barking, Essex. Potter's catarrh pastilles. Thirty-six tins invoiced as thirty-three (pro rata for larger quantities). Through wholesalers only.

MICEX, LTD., Copperworks Road, Llanelly, South Wales. One 10s. outer of ninepenny packets of Micex free with order for two 10s. outers. During September.

RADIOL CHEMICALS, LTD., 78 Upper Richmond Road, London, S.W.15. Radian and Radiol products. 10 per cent. extra on £3 order in return for fourteen days' window display.

SPA BRUSHES, LTD., Chesham, Bucks. Spa tooth-brushes. Fifteen to doz. on order for No. 4 shorthead and No. 5 longhead tooth-brushes in bristle and nylon. On all orders for 1 doz. or more. October to November.

Exhibitions and Fairs

INTERNATIONAL PLASTICS FAIR, Dusseldorf, Germany, October 17–25. A comprehensive joint display is being staged by the British Plastics Federation in collaboration with the Board of Trade.

NEW PRODUCTS AND PACKS

Cold-relief Aerosol.—Mondart, Ltd., 49 Park Lane, London, W.1, announce the introduction of Max instant cold relief in their press-button series. Heavy advertising is planned.

Anti-hypertensive Agent. — The discovery—reported in July 1958—of Darenthin (bretylium tosylate) by Burroughs Wellcome & Co. (the Wellcome Foundation, Ltd.), 183 Euston Road, London, N.W.1, represented a fundamental advance in the treatment of hypertension but at that time supplies were reserved for clinical trials. Further experience having confirmed the earlier results, the product is being made generally available from September 7. It is issued in bottle of 100 200-mgm. compression-coated tablets.

Laboratory Chemicals.—The British Drug Houses, Ltd., laboratory chemicals division, Poole, Dorset, announce the addition to their catalogue of 4-methyl-nioxime (4-methyl-cyclohexane-1:2-dione-dioxime), a reagent for nickel and palladium; and of methyl thymol blue complexone (3:3′-bis-[N:N′-di(carboxymethyl) amino-methyl]-thymol-sulphon-phthalein), a complexometric indicator for use in acid solution for the titration of bismuth, thorium, lead, zinc, cadmium, lanthanum and scandium and in strongly alkaline solution for the alkali earth metals.

An Important Bactericide. — Smith, Kline & French Laboratories, Ltd., Welwyn Garden City, Herts, have launched a new medicinal speciality, Furoxone brand of furazolidone, understood to be bactericidal to the majority of pathogens responsible for bacterial gastro-enteritis. It is indicated in non-specific diarrhœas, bacillary dysentery and bacterial food poisoning. Furoxone has an antibacterial spectrum claimed well suited to the control of gastro-intestinal infections. It relieves symptoms rapidly; is safe in all forms of the condition; and seldom provokes bacterial resistance. Furoxone is understood to remain effective against organisms that have developed resistance to non - nitrofuran chemotherapeutic agents; it is a bactericide not a bacteriostat. Furoxone is available in packs of twenty and 200 100-mgm. tablets.

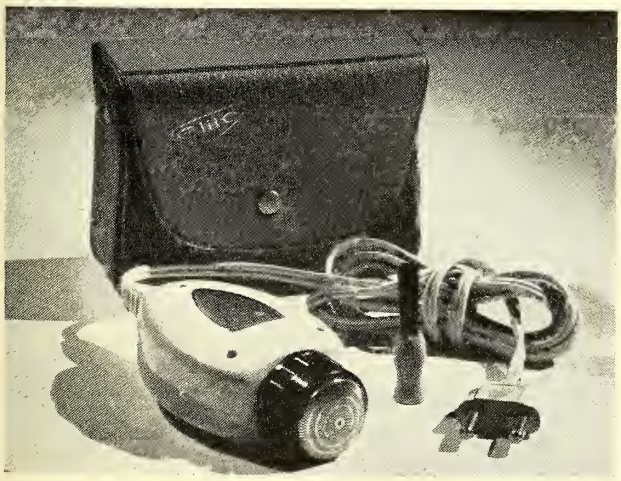
Morphine-like Analgesic.—Huffer & Smith, Ltd. (fine-chemicals division of C. F. Gerhardt, Ltd.), New Era Works, Purley Way, Croydon, report that their research and development department has produced first trial quantities of a new synthetic analgesic, Phenazocine (also called NIH 7519, and chemically (±) 2′ - hydroxy - 5:9 - dimethyl - 2 - phenethyl - 6:7 - benzomorphan). The compound is understood to show promise as a morphine-like analgesic. It was first prepared by Dr. E. L. May and co-workers at the National Institutes of Health, Bethesda, Maryland, U.S.A. The material at present available is for clinical trial. Production of NIH 7519 is based on a complex synthesis involving a starting material not hitherto commercially available. As the Narcotics Commission of the United Nations has recommended to member governments that the drug should be placed under provisional control as a narcotic, and pending a decision in Britain, Messrs. Huffer & Smith are not marketing any of the material, though they are continuing their efforts to improve the method of manufacture and to make arrangements for clinical tests to be carried out by pharmaceutical companies that may ultimately market the product in dosage forms.

Rotary-action Dry Shaver. — An electric shaver claimed to remove even stubble left by a safety razor is the Accura 4 Elite, distributed by C.H.B. Supplies, Market Chambers, Market Place, Blackheath, Birmingham. The precision head of the shaver has 400 apertures "specially designed for cutting long and short hairs alike"; four self-sharpening stainless-steel sprung cutters; a high-speed 200/240-volt motor; and sturdy yet compact plastic case with protective cap for the cutting head. The Accura 4 Elite is supplied complete with cleaning brush and leather transit case, and is guaranteed for twelve months.

"Triple-action" Hand Cream. — A hand cream that "protects hands against grimy work in kitchen or workshop, yet leaves them perfect for

glamorous evening parties without further attention" is being put on the market by Smith & Nephew, Ltd., Welwyn Garden City. Called Atrixo, the cream acts as a barrier against dust and grime, over-hot water, soaps, detergents, and blustery weather. It acts also as an absorbed emollient, and allows the skin, it is claimed, to "breathe naturally" (no clogging of the pores and no sticky feeling). Lightly perfumed, Atrixo has a silicone content. It is intended to be thinly applied before and after housework, and for that reason is issued in tins of two sizes bearing a design in two greens and red in a "utility" style instead of in the more glamorised presentation it might have if intended for boudoir or dressing room use. Atrixo is now in distribution for retail sale from October 5.

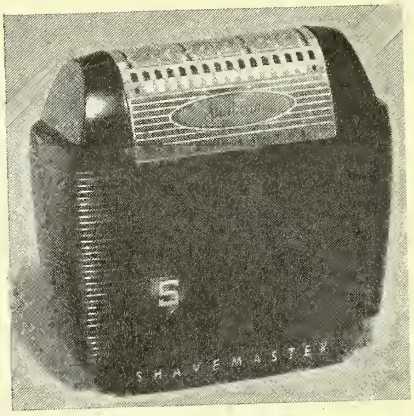
Baby's Bottle-warmer. — The Bonnibabe bottle warmer, the first product to be marketed by Bonnibabe Products, Ltd., 14 Philpot Lane, London, E.C.3, is an electric heater that brings the feeding bottle to the required temperature in just over two minutes. It is easily connected to the electricity supply and is thermostatically controlled so that the milk never gets too hot but is maintained at the right temperature.



Accura 4 Elite rotary-action dry shaver (C.H.B. Supplies, Market Place, Blackheath, Birmingham). At right, Old Spice stick deodorant now issued in the display outer shown (left); and new Old Spice shampoo for men (see *C. & D.*, August 22, p. 79) also issued in a display outer. Both products are by Shulton (Great Britain), Ltd., 160 Piccadilly, London, W.1.

The Bonnibabe is made of spun aluminium with ripple finish and is fully guaranteed for twelve months. It is available in pastel blue, pink or white finish and has a motif of nursery animals (bunnies, pussies, puppies and mice) encircling the top half of the warmer. It is silent in operation. The Bonnibabe may also be used as an adjunct in the sickroom whenever warm drinks are required at short notice. The voltage range is 200/250 a.c., 80–120 watts.

Multi-voltage Shaver. — Sunbeam Electric, Ltd., 14 Old Quebec Street, London, W.1, have produced in the multi-volt model of the Sunbeam Shavemaster electric shaver a built-in voltage selector enabling the instrument to be used anywhere in the world. It has a high-speed hollow-ground blade driven by a universal armature-type motor, and its micro-thin foil head has 1,380 counter-sunk holes ("closer together than the hairs of the beard"). Its specially designed long-hair slits are claimed to eliminate the need for a trimmer, and it is presented in a silk and velvet lined presentation case.



Anti-dandruff Shampoo.—Cavalcade Beauty Preparations, Ltd., 9 Park Hill, London, S.W.14, are launching in September a new Hanri anti-dandruff shampoo, "Stop." Each sachet of the shampoo is accompanied by a descriptive leaflet.

PHOTOGRAPHIC NOTES

Photographic Chemicals.—Manufacturers of Eagle brand sodium metabisulphate, hyposulphite, sulphite, etc., are William Blythe & Co., Ltd., Holland Bank Chemical Works, Church, Lancs.

Transparency Viewers.—R. F. Hunter, Ltd., 51 Gray's Inn Road, London, W.C.1, point out that their transparency viewers make most acceptable Christmas gifts to people with colour transparencies. The viewer is finished in pastel blue, white and red, and slips into the pocket or handbag.

"Photo Finish."—Agilux, Ltd., Purley Way, Croydon, offer a number of accessories contributing to perfection of finish in the work of photographers. The accessories include the Agimask printing mask in two models; and the Agiscope enlarger, complete with lens, film carrier and set of masks covering all sizes from 35-mm. to $2\frac{1}{4}$ x $3\frac{1}{4}$ in.

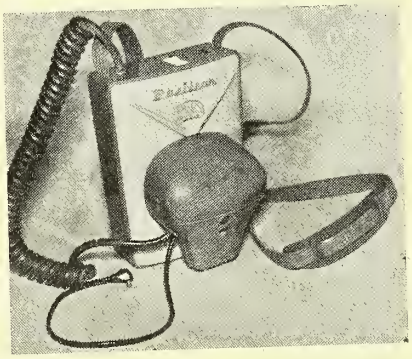
Stolen Equipment.—Rank Precision Industries, Ltd., 37 Mortimer Street, London, W.1, draw attention to the following stolen photographic equipment: Model 624EE cine camera, No. D 41286; model 625 projector, No. 1/6301 (both stolen from J. J. Mitchell, 217 Morningside Road, Edinburgh); and model 603 Autoload, No. 5754; and f/1·9 lens, No. 502926 (both reported stolen from Turners (Newcastle-on-Tyne), Ltd.).

Colour Projectors. — Gnome Photographic Products, Ltd., Caerphilly Road, Cardiff, claim to have a model of projector for every 35-mm. camera owner. The Alphax I baby model (150-watt) has an f/3·5 85-mm. lens, twin-bar mounting, "quality" condensers and convector cooling. The Alphax II "One-fifty" has exceptional light output and definition and a choice of lenses, with matched condensers and convector cooling. The Alphax III "Three-hundred" 300-500-watt projector has extra brilliant illumination.

Film Library as Business Builder.—G.B. Film Library (proprietors: Rank Precision Industries, Ltd.), Aintree Road, Perivale, Middlesex, point out that a Movie-pak library helps to build a wide firm circle of regular customers, since every film hired means that a customer comes twice into the shop. October releases from the library include "Nor the Moon by Night" ("U," b/w and colour); "Sea Fury" ("A," b/w); "Twilight for the Gods" ("A," b/w); and "Carry on Sergeant" ("U," b/w).

Adjustable Connector. — Gnome Photographic Products, Ltd., Caerphilly Road, Cardiff, offer in their Pargo adjustable connector a fitting whose two pins may be varied in in-interval by compressing two spring-loaded side plugs. The plug is thus made to fit almost any two- or three-pin plug. The spring pressure is claimed to be strong enough to hold the Pargo securely in position, ensuring a good electrical contact. It is designed for loads up to 2 amps (that is, for 500-watt projectors).

Electronic Flash.—Pullin Optical Co., Ltd., 93 New Cavendish Street, London, W.1, offer the amateur photographer in the Paxitron A a flash-gun virtually without running costs and always ready for use. The power-pack is transistor controlled, and the weight only $2\frac{1}{2}$ lb. A built-in nickel cadmium cell when fully charged provides up to forty flashes; it is recharged overnight merely by plugging one end of a lead into the case and the other end into the mains, the operation providing automatic switching. The flash-gun may be used immediately, even when the accumulator is run down, while plugged into the mains. For use on the camera there is a 12-in. lead with right-angle 3-mm. coaxial plug. The flash-head is attached to the power-pack by a spring self-coiling cable which, when contracted, is 15 in. long, but which expands to over 3 ft. A switch on top of the case is used to charge-up ready for flashing from the accumulator. The plastic shoulder-strap has a shoulder-grip pad to prevent slipping. The power-pack measures 6 x $4\frac{1}{2}$ x 2 in. The flash-head reflector measures $3\frac{1}{4}$ x $2\frac{1}{2}$ in., and the tube is covered by a "dimpled" plastic screen; coverage: 60°. Flash factor is 32 with ASA colour film rating of 12, 58 with ASA-50 colour film and 125 with ASA-100 black and white. Flash duration is about 1,000 sec. Recharge period on mains is approximately 10 sec., and with accumulator about 15 sec. Under tests in normal working use the outfit behaved perfectly. After being charged and left for well over a week without use, it was ready for operation in 25 sec. after switching on. With black and white film the speed effectively stopped rapid movement, and soft, pleasingly graduated negatives resulted from the illumination provided for indoor portraits. With reversal colour film (Ektachrome), user-processed, for which the colour temperature is matched in daylight, perfect colour rendering and balance were obtained. One possible criticism is that the foot on the base of the flash-head is a little close to the casing and may be difficult to fit into the accessory shoe of some cameras. The reviewer overcame that drawback by fitting a Pullin Flix bounce accessory.



Flash-photography Campaign.—The Photographic Information Council, which has brought amateur photography to the notice of millions of people through its regular newspaper articles and its "Carry a Camera" and winter-photography weeks, is now embarking on a campaign aimed at making more people "flash-conscious." The Council has produced a four-colour display unit featuring a camera with a flash-gun and carrying the slogan "Have fun with Flash." A reflector lights up to flash the words "It's easy!" The display, 15 in. high and 12 in. wide, has a compact flasher incorporated in the bulb-holder, which is fixed behind the reproduction of the flashgun; and the flasher is fitted with a suppressor to prevent radio and television interference. The unit is offered for sale to dealers throughout Britain. Its production was delayed by the printing dispute, but limited supplies are expected to be available towards the end of September. The displaypiece may be obtained, price £1 including postage and packing, from the Photographic Information Council, 46 Bloomsbury Street, London, W.C.1.

MECHANICAL AIDS TO BUSINESS EFFICIENCY

Apparatus available to the trader or manufacturer

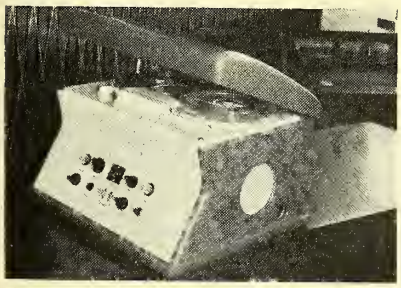
EVEN those business concerns whose turnover would never warrant a switch to full automation can usually invest profitably in some form of machine or instrument that saves administrative labour or performs an office operation more efficiently or quickly than without it. Interest in such adjuncts is of course not new but it is widening rapidly. Earlier this summer the Business Efficiency Exhibition held in London proved the largest in the series.

Among machines, instruments and devices worthy of consideration by those seeking ways of improving their business organisation are the following:—

The Vari-typer machine (makers VARI-TYPER, LTD., 11 Southampton Row, London, W.C.1) has differential letter and line spacing and automatic justification of margins in the typed product, thus simulating printing.

Vari-typer machine for producing typewritten columns that are "flush" on both sides (not ragged on right).

The Telesitter of K. S. PAUL (PRINTING MACHINERY), LTD., Great Western Trading Estate, Park Royal Road, London, N.W.10, answers telephone calls with a prerecorded message and accepts orders and messages for later action.

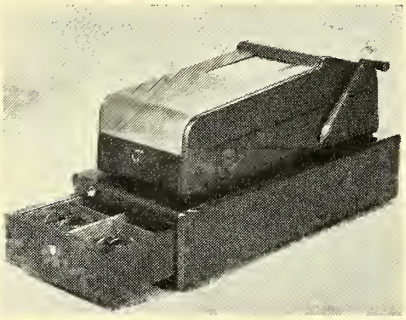


Telesitter telephone-answering machine

A miniature adder-subtractor made by BROUGHTON & CO. (BRISTOL), LTD., 6 Priory Road, Bristol, 8, the totally mechanical Figarro, is claimed to require no servicing or maintenance.

METRO BUREAU EQUIPMENT, LTD., 59 Great Eastern Street, London, E.C.2, market the Swiss-made Custodian electric cash register, which automatically dissects transactions into six groups, identifying assistant, commodity or department.

A "security sales register" made by LAMSON PARAGON, LTD., Paragon Works, London, E.16, has a removable cash drawer that may be stored in the safe at night.



Paragon "security sales" register

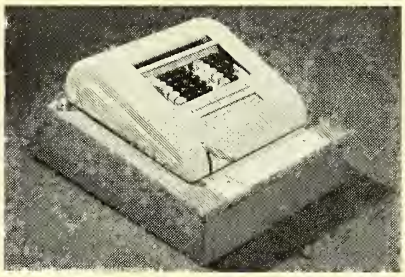
An electronic stencil cutter, the Electro-Rex, is made by REMINGTON RAND, LTD., 1 New Oxford Street, London, W.C.1, whose Ultravox remote-control dictating system, by which a letter dictated by desk telephone is automatically recorded on a machine in the typing-pool, incorporates a playback and correction mechanism.

Electo-Rex stencil cutter

The Copyflo machine of RANK-XEROX, LTD., 33 Mortimer Street, London, W.1, makes use of microfilm, punched cards and the process of xerography. Originals are filmed and the single frames filed on a punch card system; when necessary the sorted appropriate cards are stacked and positive enlargements made.

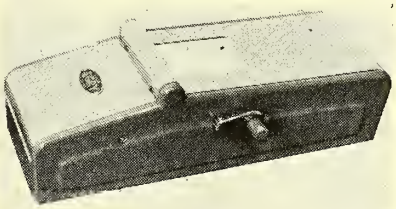
A pocket "paging" system by which the attention of persons carrying pocket receivers ($5\frac{1}{4}$ x $2\frac{1}{8}$ x $\frac{3}{4}$ in.) may be called from a central control, is offered by DICTOGRAPH TELEPHONES, LTD., Abbey House, Westminster, S.W.1.

A cash till, the MK11 Contex, that may be used separately as an adding machine, is offered by OFFICE MACHINERY, LTD., 169 Tottenham Court Road, London, W.1. The same company's Copyrex spirit duplicator produces 300 sharp copies in up to five colours from one master copy within four minutes.

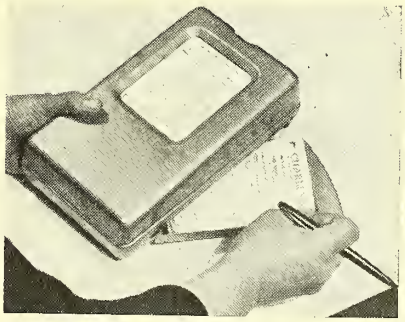


Mk II Contex cash till

The Egry Trupak desk register of EGRY, LTD., 15 Hanover Square, London, W.1, delivers a top copy of a document and files the duplicated master copy internally under lock and key



Egry Trupak register



Egry portable register

for future reference. The Egry speedwriter portable register, a "portable book," gives a predetermined number of copies.

The Auto-typist installation, made by BRITISH EQUIPMENT CO., LTD., Ixworth Place, London, S.W.3, is for concerns that have to send out "stock" letters. It consists of a small stand with a shelf for the typewriter and a small control panel with push buttons giving a choice of standard previously "fed-in" letters or paragraphs; by pressing the appropriate buttons the standard letters are automatically typed. Daily output of the unit is up to 125 letters.

LEGAL REPORTS

Forged Prescription

FOR obtaining from a chemist a quantity of Preludin tablets and a jar of cod-liver oil and malt on a forged prescription, Bertha Dick, Royden Road, Overchurch, Ches, appeared before the Birkenhead magistrates on August 26, and was given a conditional discharge on payment of 15s. costs. She was stated to have obtained from a doctor a prescription, made out in her sister's name, for sixty of the tablets and to have altered the figure to 100 and added a jar of cod-liver oil and malt before taking the prescription to the chemist. She was given the articles, but the chemist was suspicious of the alteration and contacted the doctor. Asked why she had not obtained her own prescription, she told the magistrates that she was not sure if her doctor prescribed the malt, which she wanted for her baby, and she did not have the money to buy it herself.

COMPANY NEWS

Last year's figures in parentheses

LAPORTE INDUSTRIES, LTD. — Mr. B. E. A. Vigers has relinquished the position of assistant managing director and has been appointed a deputy chairman of the company and technical director of the Laporte group of companies.

F. W. BERK & CO., LTD.—Interim ordinary dividend $3\frac{3}{4}$ per cent. (2 11/12). The increase in the interim dividend is not to be taken as implying an increase in the final payment, although the results for the first half of the current year indicate that the year's profits will be higher.

QUICKFIT & QUARTZ, LTD., have signed an agreement with Corning Glassworks of Canada, Ltd., for the distribution of Q. & Q. laboratory glassware throughout Canada. Quickfit & Quartz have already doubled their sales of apparatus in that dominion during the past twelve months, and hope, under the new arrangement, to double them again.

VITAMINS, LTD. — Ordinary dividend for year ended March 31 is 25 per cent. (20 per cent.). Group profit is £333,002 (£329,464) subject to tax of £155,873 (£183,303). Referring to the share exchange offer by United Molasses and its subsequent withdrawal, the directors state that despite strenuous efforts over several meetings the best offer they could obtain from United Molasses would not have been higher than 28s. $7\frac{1}{2}$d. per unit. That was 1s. $4\frac{1}{2}$d. per unit, or a total of over £160,000, below what the board considered to be the irreducible minimum cash value of the undertaking. The directors add that negotiations terminated by mutual consent.

ALBRIGHT & WILSON, LTD.—An interim dividend on the ordinary stock of 6 per cent. is declared in respect of 1959 (4 per cent.). It is also proposed to make a one-for-four scrip-issue. Both the increase in interim dividend and the share issue are intended as technical adjustments, the first to make the interim payment a higher proportion of the total distribution for the year, and the second to reduce the disparity between issued capital and total shareholders' funds employed in the company. Neither individually nor taken together should the adjustments be considered to imply increase in the total distribution for the year, state the board. Group net profit in the six months ended June 30 was £1,122,000 (£793,000).

New Companies

P.C. = Private Company; R.O. = Registered Office

W. MOFFATT & SON, LTD.—The address of John R. Moffatt, M.P.S., and Lilian A. Moffatt is 22 Denewell Avenue, and not as previously stated in these columns.

T. H. TURNBULL (CHEMISTS), LTD. (P.C.).—Capital £1,000. To acquire the business of a chemist and druggist carried on by Thomas H. Turnbull at Sheffield, etc. Directors: Thomas H. Turnbull, M.P.S., and Anne Turnbull. R.O.: 104 Mansfield Road, Sheffield, 12.

ESSEX CHEMICAL SUPPLIES, LTD. (P.C.).—Capital £200. To carry on the business of manufacturers, distributors and sellers of medical and veterinary preparations, etc. Directors: Malcolm D. Nolan and John W. Poulton, Blea Tarn, Nounsley, Hatfield Peverel, Chelmsford.

KEENE & ASHWELL (SALES), LTD. (P.C.).—Capital £100. To carry on the business of wholesale and retail homoeopathic chemists, etc. Directors: Gerald G. Barley, M.P.S. (director, Keene & Ashwell, Ltd.), and Kate M. Barley. R.O.: 38 New Cavendish Street, London, W.1.

FARRO FLAMELESS RINSE, LTD. (P.C.).—Capital £500. To carry on the business of manufacturers of and dealers in powder products, rinses, perfumes and toilet requisites, etc. Directors: Norman Glover and Louis Phillips. R.O.: 5 Saville Row, Newcastle-on-Tyne, 1.

GREGORY & THOMAS, LTD. (P.C.).—Capital £3,800. To carry on the business of wholesale and retail chemists, etc. Directors: Harry Gregory, M.P.S. (director, H. C. Moore, Ltd.), and Harold E. Thomas. R.O.: Redwood Road, Yew Tree Estate, West Bromwich.

H. L. TRAHERNE (CHEMISTS), LTD. (P.C.).—Capital £300. To acquire the business of a pharmacist carried on by H. L. Traherne, M.P.S.N.I., at 13 Hove Park Villas, Hove, Sussex. Directors: Iris N. Alder and Terence J. Walker. R.O.: 20 West Street, Brighton, Sussex.

MEDICAL - PHARMACEUTICAL DEVELOPMENTS, LTD. (P.C.). — Capital £100. To promote and finance the development of clinical and laboratory work on new medical products of all kinds, etc. Subscribers: Albert H. Chapman and Rachel N. Ledger. R.O.: 16A Prince Albert Street, Brighton, 1.

CHRISTOPHER WHITE & JONES, LTD. (P.C.).—Capital £3,000. To carry on the business of wholesale or retail chemists, etc. Directors: Christopher A. White, M.P.S., and Myrfyn Jones. R.O.: 40 New Bedford Road, Luton, Beds.

COX-NAHON, LTD. (P.C.).—Capital £100. To carry on the business of dealers in hair lotions and creams, etc. Directors: Thomas Cox, Phyllis Cox, Charles R. M. Kerr, Lucy M. Kerr and Sydney Nahon. R.O.: 123 Pall Mall, London, S.W.1.

BOYCE & LONG, LTD. (P.C.). — Capital £5,000. To acquire the business of chemists, carried on by S. T. Boyce at 402 Cottingham Road, Hull, etc. Directors: Sydney T. Boyce, M.P.S., Edward G. Long, M.P.S., Gwendoline M. Boyce and Margaret Tinkler.

R. A. COHEN, LTD. (P.C.)—Capital £100. To carry on the business of chemists and druggists, etc. Directors: Rudolph A. Cohen, M.P.S., and Mrs. Irene Cohen. R.O.: 3 Marsden Street, Manchester, 2. [Corrected note.]

WINN REECE & CO., LTD. (P.C.). —Capital £100. To carry on the business of chemists, druggists, opticians and librarians, etc. Directors: Wynn H. Parry-Jones, M.P.S., and John G. Rees, M.P.S. R.O.: 465 Roman Road, London, E.3.

E. C. SLEEP (HEATHFIELD), LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, druggists and librarians, etc. Directors: Ernest C. Sleep, M.P.S., and Jessie Sleep. R.O.: 231 London Road, Waterlooville, Hants.

CROWNFIELDS DRUG CO. LTD. (P.C.).—Capital £100. To carry on the business of chemists, druggists, drysalters, etc. Directors: Isabella M. McIlroy, 271 London Road, Romford, and Nancy Butterworth, 267 London Road, Romford.

BUSINESS CHANGES

BRONCO, LTD., is the new trading title adopted by the British Patent Perforated Paper Co., Ltd. It took effect on September 1.

BIRLEC, LTD., have established a Midland area sales office with Mr. H. J. Podmore as manager at the company's main premises in Tyburn Road, Birmingham, 24.

MR. MAURICE P. STILES, M.P.S., has resigned from Meggeson & Co., Ltd., where he has held the position of sales and advertising manager for nearly six years.

MR. JACK BRITTON, M.P.S., has taken over the pharmaceutical business conducted by Granville Shaw, Ltd., 69 High Street, Long Eaton, Derbys. Mr. Granville Shaw, F.P.S., is continuing the business of Granville Shaw (Opticians), Ltd., in a separate optical suite at the same address.

Appointments

GOLDEN, LTD., 7 Grosvenor Street, London, W.1, have appointed Mr. I. H. Adair, 42 Paddenswick Road, Hammersmith, London, W.6, their representative for West and South London.

GRIFFIN & GEORGE (SALES), LTD., the laboratory furnishers, announce the appointment of Mr. Edward Bentley as the London branch

manager. Mr. Kenneth Freer succeeds to the post of manager of the Manchester branch and Mr. James Branson becomes the assistant branch manager.

OVERSEAS VISITS

MR. C. W. MAPLETHORPE (managing director, Allen & Hanburys, Ltd.) left London on September 3 for a world business tour. He is due back on November 11. The principal countries he will visit are the United States, Canada, New Zealand, Australia, Malaya, India and Pakistan.

MR. F. R. CRABBE (marketing manager, ethical pharmaceutical division, Aspro-Nicholas, Ltd.), is visiting the United States August 30-September 27. His fact-finding tour is taking him to New York, Chicago, Pasadena and San Francisco, where he is to meet many of the executives in the leading pharmaceutical firms and their advertising agents.

MISS E. M. SMITH, M.P.S. (director, Radiol Chemicals, Ltd.), sets off on an African tour at the end of September. She will be flying most of the way, going down the West Coast to British West African possessions, the Belgian Congo and on to the Cape. Miss Smith is visiting most of the larger towns in the Union, and travelling up to Rhodesia and Portuguese East Africa, whence she is going by ship to Dar-es-Salaam, calling at Zanzibar on the way. The object of the tour is to meet all the company's customers in' Africa, and to find ways and means of further promoting sales.

DR. PETER RAMWELL (department of pharmacy, Bradford Institute of Technology) who has been awarded two travel fellowships by Griffin & George (Research & Development), Ltd., is the first recipient of the fellowship which is intended for young scientists who have already made a worthwhile contribution to instrumentation, and who may, with suitable encouragement, make more significant advance than would otherwise be possible. Dr. Ramwell receives the award for his work and interest in rapid-response respiratory gas analysis. During his first journey, in June and July, Dr. Ramwell visited Paris, Frankfurt, Brussels and Berlin, where at many of the teaching hospitals he was able to see some of the work in his own field of artificial kidney installations and anæsthetics; he is visiting Basle during September.

PERSONALITIES

MR. F. A. GUNN, M.P.S., Dorridge, Birmingham, for twenty years territorial general manager in the Birmingham area for Boots, Ltd., has retired.

MR. J. T. WEST, M.P.S. (chief pharmacist, Glasgow Royal Infirmary for twenty-one years) is retiring. On behalf of the office staff of the Infirmary, Dr. J. Kinloch Anderson (medical superintendent) recently presented him with a travelling case and cheque.

MR. J. F. NEWBOUND, recently appointed product manager of Mondart, Ltd., 49 Park Lane, London, W.1, is assisting Mr. C. G. Bevan (the company's marketing manager) in promoting the company's range of aerosol products. Mr. Newbound was previously group advertising manager for Rank Precision Industries, Ltd.

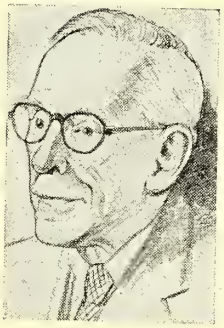
MR. R. R. WALKER, who has been appointed associate director of marketing, home and overseas, for Aspro - Nicholas, Ltd., of Slough, Bucks, joined the company as home sales manager in 1954. He has studied marketing in many parts of the world including the Middle East, East Africa and Australia. In his new appointment he now heads a team of marketing managers for four product groups—household products, proprietary products, veterinary products and ethical pharmaceutical products—within the Aspro-Nicholas organisation.

DR. R. F. HUDSON, Ph.D., B.Sc., A.R.C.S., D.I.C., at present a lecturer in chemistry at the University of London, has been appointed a group director of research at the research institute of Cyanamid International, Geneva, Switzerland. The aim of the institute is to take full advantage of European research methods. Dr. Hudson will study the mechanism of organic substitution reactions and other theoretical and physical chemical problems, and will be assisted by several post-doctoral scientists chosen for their knowledge in the field he selects. For several years Dr. Hudson worked with Dr. Peter Alexander in research on the peptide chemistry of wool. Recently he has been engaged on research on organic sulphur and phosphorus compounds.

DEATHS

BELL.—On August 8, Mr. Gordon Hamilton Bell, M.P.S., 45 Eglington Road, London, E.4. Mr. Bell qualified in 1954.

BUCKINGHAM.—On August 18, Mr. Henry Buckingham, M.P.S., 61 Frederick Road, Aston, Birmingham, 6. Mr. Buckingham qualified in 1894. After a short period as qualified assistant in Coventry he was engaged for a "living in" post in a Great Malvern pharmacy. He opened his own pharmacy in Aston in 1898. When the National Insurance Act was passed in 1911, Mr. Buckingham was secretary of the Birmingham Pharmaceutical Association. He was president of the association, 1916–18, a member of the Birmingham Insurance Committee, and later on the Birmingham Pharmaceutical Committee. An active member of the National Pharmaceutical Union he was a delegate to a number of National Conferences and was for years a member or deputy member of the Pharmaceutical Services Committee under the National Health Service.



BURR.—At the General Hospital, Nottingham, on August 25, Mrs. Margaret Ann Burr, wife of Mr. Percy William Burr, Lyndhurst, Harlaxton Drive, Nottingham (formerly with The British Drug Houses, Ltd.). Mrs. Burr was well known in pharmaceutical circles and often accompanied Mr. Burr and their daughter (Miss M. A. Burr, a member of the Pharmaceutical Society's Council) to pharmaceutical conferences and other functions.

DRUMMOND.—On August 26, Mr. Charles Stanley Drummond, M.P.S., 68 Great George Street, Hillhead, Glasgow, W.2. Mr. Drummond qualified in 1920.

HOULISTON.—On August 12, Mr. John Skeldon Houlistan, M.P.S., 52 High Street, Needham Market, Suffolk, Mr. Houliston qualified in 1915.

LORCH.—Recently, Mr. Sali Lorch, general manager of the powder and compact section of Laughton & Sons, Ltd., Warstock Road, Birmingham, 14.

MURRAY.—On April 13, Mr. John Yule Murray, M.P.S., 25 Commerce Street, Insch, Aberdeen. Mr. Murray qualified in 1931.

ROWE.—On August 20, Mr. William David Rowe, M.P.S., 2 Station Hill, Farnham, Surrey. Mr. Rowe qualified in 1919.

WALMSLEY.—On August 22, Mr. Arthur Chadwick Walmsley, M.P.S., 8 Arundel Terrace, Marine Parade, Brighton. Mr. Walmsley, who was formerly chief pharmacist at the Royal Sussex County Hospital, Brighton, qualified in 1913.

INQUESTS

First "Junior" Death.—"Junior" aspirins were given to children as early as two months old, and in 68 per cent. of cases they were given, as this tablet was, as a sweet." That information from a recent survey was given by Mr. John Roberts (technical director, Bristol Myers Co., Ltd.) to the Nottingham coroner recently. It was at an inquest on the death of a seven-month-old boy who died from shock after an orange-flavoured junior aspirin tablet had lodged in his throat. Mr. Roberts stated his company had been making the aspirins for twelve years, and that the death was the first they had heard of from many hundreds of millions of tablets sold. The tablet was given by the deputy matron of a Nottingham Corporation day nursery. The child suddenly turned blue in the face, and although he was given artificial respiration and oxygen in the ambulance, he was dead on arrival at the hospital. The coroner, recording a verdict of "accidental death," said it was a case in hundreds of millions. There had been no negligence in giving the child the tablet.

Colombia and Venezuela as Chemical Markets

THE two large countries astride the top of South America, with their cross-roads position for world trade, their great mineral wealth and their growing economies are just entering the "age of chemicals." Both countries have recently, in popular revolutions, succeeded in shaking off dictatorships, that had, through corruption, suppressed political freedom and economic growth. For example, the petrochemical complex at Moron, Venezuela, after an expenditure of three years' work and $134 millions, had, at the time the dictatorship ended, only one experimental refinery in operation, producing 2,900 barrels daily. In Colombia, over-spending on military projects and on personal enrichment of the dictator's friends, coupled with a disastrous decline in coffee prices, had sent the payments situation into a tailspin that was only halted when the successor government imposed rigid austerity policies—still in effect—on imports.

Despite the high cost of paying for past mistakes, both countries are firmly set on industrialisation, and in both, now that they have their own steel and petroleum refining industries, the next stage is the creation of basic chemical plants. Up to the present time, development of a basic chemical industry, and thence of a secondary chemical industry, has been handicapped by a lack of those components; it was easier to import finished products than to try to manufacture intermediates and finished chemicals.

For that reason chemical production has been restricted for the most part to consumer items and to a few industrial chemicals. The tables below show the production of some leading items; unfortunately they do not include pharmaceuticals.

CHEMICAL PRODUCTION IN COLOMBIA

	1953	1955
Castor oil gall.	275,556	284,935 gall.
Soda ash metric tons	6,371	12,405 metric tons
Dentifrices do.	—	237 do.
Caustic soda do.	7,006	10,187 do.

VENEZUELAN CHEMICAL PRODUCTION

	1946	1951	1956	1957
Alcohol '000 litres	2,351	4,702	5,220	6,541
Soap tons	17,324	15,326	17,586	20,220

Source: Direccion General de Estadistica.

Another indicator of growing production is that of employment in the chemical industry. In Venezuela, the growth since 1950 has been more rapid than either general employment or industrial employment as a whole, while in Colombia, during those years, the number of workers employed in chemicals and petroleum derivatives rose by 82·3 per cent., a greater gain than was experienced by any other industrial group.

Import figures fill in the picture of the market in the two countries. In Venezuela, the value of chemical imports increased by over 400 per cent. between 1946 and 1957, rising from 46·5 million bolivares to 240·1 million (£26 millions). Price increases were not an important factor in that growth, since the volume of shipments rose from 14,911 tons to 199,641 tons, and within Venezuela, chemical and pharmaceutical prices have changed at a much slower pace than those of commodities in general, and were actually lower in 1957 than in 1945.

The Colombian chemical trade is interesting in that it is of roughly the same value (£29 millions in 1956) but, because total Colombian imports are not much over half the value that Venezuela can afford to import, its chemical purchases take a much more important share of its foreign exchange. In these days of austerity and encouragement for home production, domestic companies are replacing some imported products, a trend that was already discernible in 1955 and 1956.

In recent months there have been several important developments. A number of large Colombian companies in the textile, brewing and insurance fields have pledged up

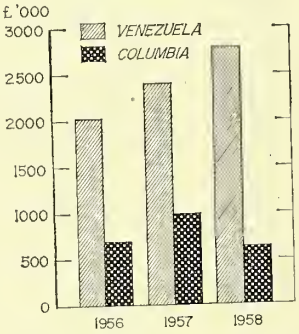
COLOMBIAN CHEMICAL IMPORTS

	1955		1956	
	Volume	Value	Volume	Value
	Metric tons	'000 pesos	Metric tons	'000 pesos
Pharmaceuticals ...	76,835	124,250	83,308	131,255
Chemical products for photography...	651	6,452	621	5,556

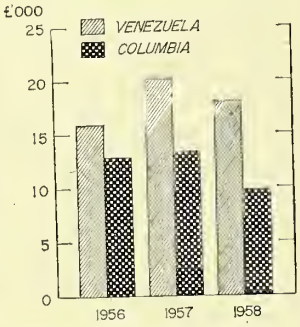
to 40 million pesos in shares for the Planta Colombiana de Fertilizantes, now under construction at Barrancabermeja. The national steel works at Paz del Rio is to manufacture benzols, resins and fertiliser ingredients. Alkali production is being increased at the Betania plant, and Maizena is building a factory at Cali for maize products and liquid glucose.

In Venezuela, Petroquimica has been thoroughly reorganised and contracts are being made with foreign companies to put the plants into operation and provide on the job training for Venezuelan technicians.

U.K. EXPORTS OF CHEMICALS



U.S. EXPORTS OF CHEMICALS



Further development of local manufacture is being accelerated by foreign investment; the lack of dollar exchange in the case of Colombia, and the "economic nationalism" being given expression in Venezuela through higher tariffs, provide incentives, and a still greater one will be development of a regional common market, which is moving from the discussion to the negotiation stage. Colombia, Venezuela and Ecuador have been holding meetings on the establishment of certain basic industries that would enjoy area-wide freedom of trade, and the twenty Latin American Republics have also been working on a payments union as a preliminary organisation to a common market scheme.

Colombia and Venezuela are quite important markets for chemicals; they are the third and fourth most important markets for United States chemical companies in Latin America, while for British exporters Venezuela is their second Latin American buyer of chemicals and Colombia their seventh. In order to retain those markets, investment in subsidiary or affiliated operations is being undertaken; where the market is viewed as too small for plant investment, licences are being increasingly granted to local companies. The factors promoting that kind of investment—availability of raw materials, tax and profit benefits, growth of tariff protection—also promote local investment unaided by foreign capital, but, in a manufacturing field where technical knowledge and years of experience are as important as they are in chemicals, Colombian and Venezuelan investors may feel that chances of success are better for the mixed company than for the purely national one.—*Economist Intelligence Unit, Ltd.*

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For Retailer, Wholesaler and Manufacturer

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TELEPHONE CENTRAL 6565

Accurate Statistics a Prime Need

THE 1958 report of the King Edward's Hospital Fund for London refers to the emphasis that has been "laid in recent public pronouncements" upon the need for the Ministry of Health to establish a statistical and operational research department.

The Fund's administrators consider that, in the investigation of some aspects of the hospital and health services, a central intelligence unit would be most likely to achieve best results. In the wider field of medico-social and of economic problems affecting the country as a whole, however, it recognises the need for continuing research. For that purpose the central collection, analysis, and publication of statistical and costing information by the Ministry of Health should provide guidance in determining the general policy for the development of the health services. "Closer co-ordination" (as opposed to closer control) is what is desired, plus "a more effective method of collating and disseminating the results of various research activities." The compilers of the report consider that the King Edward's Fund could perhaps help in providing a more satisfactory clearing-house for the collection and distribution of information on hospital matters, and could help in the better co-ordination of investigations within the hospital service. The advantage of the community will undoubtedly be promoted if the Fund and the Ministry of Health continue to collaborate on these matters.

One section of the Fund—the hospital personal-aid service for the elderly—has been closely concerned about the waiting lists of elderly patients a number of hospital groups have maintained for many years. During 1958 the Fund's staff visited nearly 2,400 patients who had been included in such lists. The visitors found that over half of the number did not need hospital beds. Adequate arrangements for the care of 19 per cent. were made without hospitalisation; 29 per cent. had died or recovered or already been admitted. The findings in that investigation led *The Times* recently to comment that the figures for the national hospital waiting list published by the Ministry of Health in its annual report were suspect. *The Times* said "For an assessment of waiting lists in terms of waiting time, the national waiting list totals, which get so much publicity, are an inadequate and confusing substitute." It would not be difficult to recall other figures quoted in connection with the Health Service that were equally inadequate and confusing.

However imperfectly the hospital waiting lists reflect the actual situation, they do, in bulk, represent individual unhappiness and anxiety which something ought urgently to be done to remedy. No doubt really urgent cases get immediate attention but there are others involving needless suffering. To assess the problem it is necessary to get the basic figures correct—or as near correct as possible. To achieve complete accuracy might be inordinately costly, but the capital investment in hospitals is already large and the government have already agreed to provide £25½ millions for capital development in 1960–61. It seems unlikely that medical treatment will show an overall trend towards cheapness, in view of increased specialisation and expanding technological requirements. Those considerations only emphasise how essential it is, in all departments of the Health Service, to have an accurate basis of statistics.

Overseas Trade in July

THE value of United Kingdom exports of drugs, medicine and medicinal preparations in July was £3,243,254, which was a little higher than in the previous month (£3,075,686) but well below the May figure £3,619,662.

Among the items for which separate statistics are available, quinine exports notably increased to £17,067

EXPORTS	VALUE
	£
Drugs, medicines, medicinal preparations (total)	3,243,254
Vitamins	247,441
Penicillin salts	87,200
Penicillin injections	44,520
Penicillin tablets, ointments, etc.	74,984
Antibiotics other than penicillin	386,701
Quinine	17,067
Alkaloids, excluding quinine	124,451
Aspirin	99,375
Antihistamines	49,444
Antipaludics	64,316
Barbiturates	45,684
Liver extracts	25,011
Ointments and liniments	81,203
Insulin	39,706
Sulphonamides	65,464
Proprietary medicines	842,303
Other medicines, unclassified	926,191
Glycerin	19,595
Acetone	54,978
Citric acid	54,617
Salicylates	12,924
Perfumery and toilet preparations	
Lipstick, face powder, etc.	231,460
Dentifrices	156,149
Toilet soaps	235,264
Synthetic detergents	480,529
IMPORTS	**£**
Vitamins	32,067
Antibiotics	159,352
Alkaloids	98,145
Proprietary medicines	31,333
Unclassified medicines	220,046
Borax	92,894
Iodine	9,058
Menthol	55,158
Essential oils	
Bergamot	11,797
Citronella	10,310
Clove	17,047
Geranium	31,817
Lavender	8,539
Lemon	25,790
Orange	36,978
Peppermint	33,158
Unclassified	142,311

(£11,758), but the average for the year is still below that for 1958. The figure for barbiturates (£45,684) had been exceeded only twice this year—during March (£51,908) and May (£47,476). Exports of sulphonamides were, at £65,464, the lowest for the year. Proprietary medicines were again well below the £1 million mark attained during April and May.

Again Australia was the best single market for prepared medicines, the value of shipments to that destination being £331,344. Nigeria was the next best, taking £229,676, India took £133,518, and South Africa, £103,487.

Imports of prepared medicines into the United Kingdom totalled £540,943 and were at their highest level since December 1958. The importation of antibiotics, at £159,352, and alkaloids, at £98,145, were the highest this year.

Taking the country's trade as a whole, there was a strong upward tendency in overseas trade on both sides of the account. Exports rose sharply to £287·8 millions, and imports increased to £352·9 millions. The visible trade deficit in July (£56 millions) was £14 millions less than in June, but nearly £19 millions more than the monthly average for the first half of the year.

HOSPITAL PHARMACY FORUM

JOE AND HIS LABEL

"A ROSE by any other name would smell as sweet" they say, but would it? Much of the thrill of enjoyment in beholding a rose, intrinsically lovely as it is, comes from a multitude of recollections submerged beneath the conscious senses. The poetry of the name itself, the romantic associations, the setting of a summer garden all play a part in the emotion evoked by the sweetness of the single specimen. Names are not mere labels. Mention Joe and a whole complex of "Joe" characteristics immediately come to mind, independently of any individual who may bear that name.

Sometimes those associations may become a hindrance to the concept, and to some extent that has happened in pharmacy and among pharmacists. The traditional rôle of the pharmacist as a dispenser of medicines may have created a mental picture that makes it a little difficult to take in wider horizons.

In spite of the greatly increased academic training in the sciences, and the immense variety of tasks falling within the province of modern pharmacy, there lurks in the minds of most of us, pharmacists included, the picture of the white-coated, bespectacled magician of our childhood, who took the mystic script of the omniscient doctor into the strangely perfumed recesses of his sanctum and brought forth lotions and potions of fabulous power. The pharmacist is thus the man who dispenses the medicines, a notion firmly entrenched in the minds of our fellow citizens and in the thinking of administrators and government officials. It is not a bad image so far as it goes. (After all, it is not long ago that advertisements appeared in well-known medical journals for gardener-chauffeur-dispensers!) The trouble is that the notion is too narrow.

If a man holds a medical qualification he has no great difficulty in having himself accepted as an authority, not only on the diagnosis and treatment of disease, which no one would dispute, but on bacteriology, biochemistry, physiology, air-pollution, dietetics, athletics and any other science remotely connected with the functioning of the human body. Of course there are eminent specialists in those fields of knowledge, and a medical training is obviously a good beginning in any of them, but in the generally held attitudes current in our society the doctor *qua* doctor is apt to be too readily accredited with an ability to deal with the lot.

Now, although the pharmacist's education is in many ways parallel with the doctor's, and in some particulars in advance of it, no such nimbus of authority surrounds him. It therefore comes as a surprise to administrators that pharmacists show themselves aggrieved when it is recommended that some aspects of their normal work, which they themselves take for granted, should be put under the supervision of "a member of the medical staff." Such is the effect of recent recommendations on the prevention of cross-infection in hospitals. Nobody would wish to dispute that the spread of infection is a matter requiring the attention of the medical bacteriologist, but when it is suggested that all sterilising procedures should come under his review, pharmacists are compelled to join issue. For a great many years they have been trained in the principles of bacteriology and the production of sterile medicaments. The principles of heat transfer and the functioning of autoclaves and ovens have occupied a large part of the curriculum of their training. There is no corresponding technical training in the curriculum of the medical student, though he may, admittedly, after a period of post-graduate practice in a pathological laboratory, blossom forth as a bacteriologist, reputedly endowed with the necessary authority to supervise the pharmacist in his work.

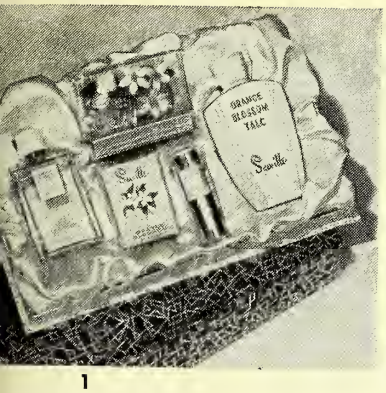
Doubtless in most hospitals the good personal relationships that normally exist between the pharmacist and the medical staff, and especially the "laboratory doctors," will prevent the worst follies that might follow from the Ministry's ill-advised recommendations, but that does not excuse the ignorance upon which they are founded and may not in the long run prevent proper recognition of the pharmacist's interest.

It is surely time that horizons were broadened, and that the pharmacist became recognised as a scientific officer trained over a broad field of medical, albeit non-clinical, subjects. Obviously one individual cannot be a specialist in every subject, but it should be well within the capacity of a chief pharmacist to organise and direct a team of colleagues, each with his own special interest, including that of sterilisation.

That there is a need for close supervision of what has erstwhile passed for "sterilisation" in some hospitals is abundantly clear from a recent survey by the Nuffield Trust team. The interesting feature of that disturbing report is that nowhere is there any criticism of the production of sterile medicaments in the pharmacy. All is directed to faults occurring in the methods of the operating theatres, dressings sterilisation, ward dressings trolleys and similar matters normally under the control of the nursing and medical staffs.

Surely it is not unreasonable that if, within the hospital organisation, where so many grave faults were found, there appeared one unit that could deal effectively and efficiently with matters of sterilisation, that unit must have been directed by some person with know-how such as could usefully be called in to help the less efficient parts of the organisation. One might have expected, then, that the pharmacist's knowledge and training would have found a wider application. But, no! The pharmacist is the man who dispenses medicines: the concept is too strong!

Fortunately it is not so everywhere. Some hospital authorities have already turned to the pharmacist as the appropriate officer to undertake responsibility for a central sterile supply unit. It will be of great interest to watch how such units develop, for here is a natural extension of the functions of the pharmacy department.



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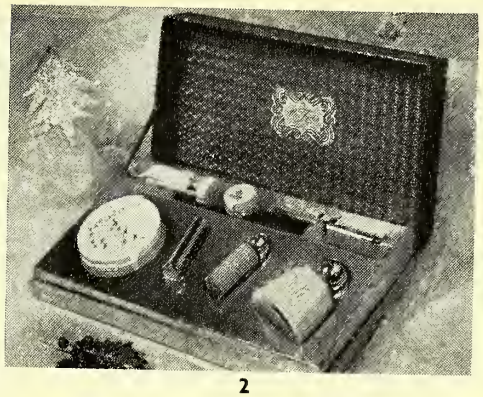

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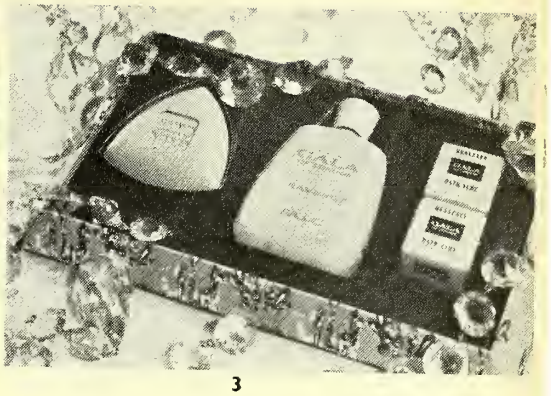

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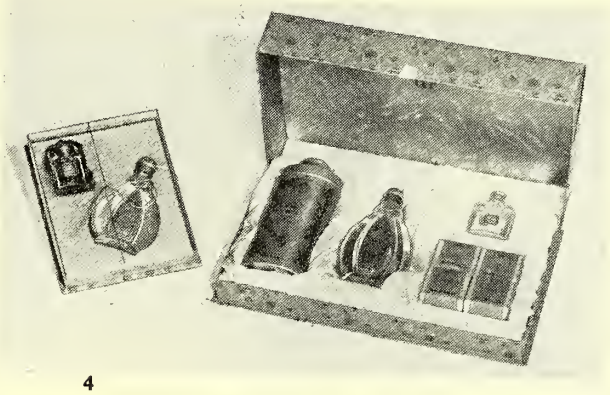
Manufacturers' special PACKS FOR CHRISTMAS

AT about the same time each year THE CHEMIST AND DRUGGIST presents a pictorial review of the special packs being produced for the Christmas market: on this and the following eight pages are shown over 100 packs. Some of them are of new products, others are new combinations and others a new or special packaging for an established product. Those were the criteria used in their selection. Obviously not all the special Christmas packs can be shown, but it is hoped that this selection will give retailers an idea of what is available to assist them in making selection for their stocks.

1. Orange blossom coffret in green and silver foil with silk lining. Contains Top-to-Toe perfume, perfume with "spray" of orange blossom, perfume stick and "puffer" talc. *Saville Perfumery, Ltd.*, Rickmansworth Road, Watford, Herts.
2. Creme Puff compact, Hi-Fi fluid make-up and fluid rouge, lipstick, creme mascara, eye shadow and eye pencil in one of the Christmas range coffrets by *Max Factor Hollywood and London (Sales), Ltd.*, 16 Old Bond Street, London, W.1.
3. "Puffer" talc, soap and two bath cubes in box with crystal "teardrop" design. Available in three fragrances. *Gala of London, Ltd.*, Hook Rise, Kingston-by-Pass, Surbiton, Surrey.
4. At left, 4711 Tosca perfume and eau de Cologne for the first time in transparent pack; at right, silk-lined 4711 Tosca coffret with talc, eau de Cologne, perfume and bath salts. *Scott & Bowne, Ltd.*, 50 Upper Brook Street, London, W.1.
5 and **6.** Two of the range by *J. C. & J. Field, Ltd.*, Manchester. No. 5 is a box of French Flowers perfume stick, talcum, soap and bath cubes, and No. 6 is a "stick" of bath cubes.
7. Three White Fire gift packs—all boxes of which are in red and gold. At left, perfume; centre, perfume Christmas tree pack; at right, coffret with seven bath cubes and perfume. *J. Grossmith & Son, Ltd.*, 41 Piccadilly, London, W.1.



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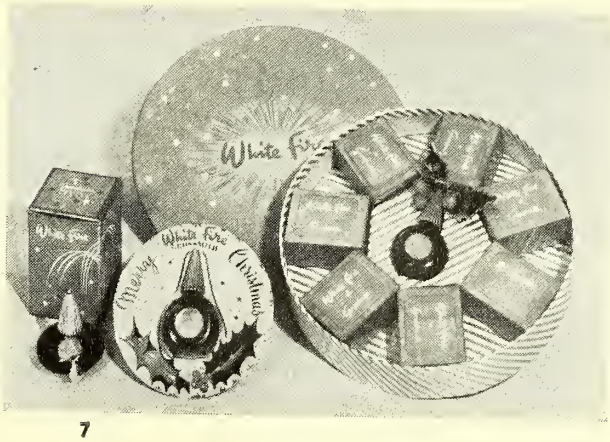

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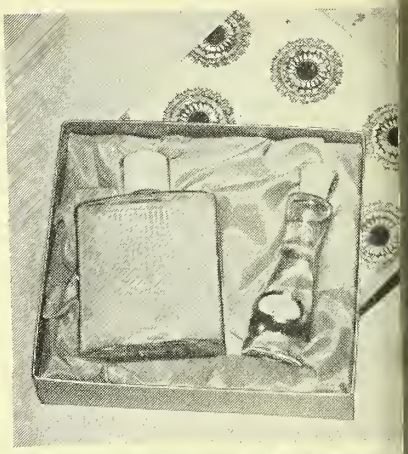

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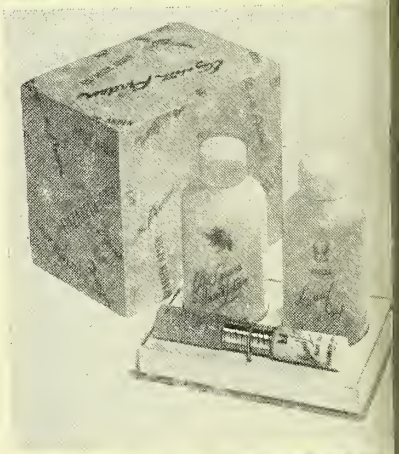

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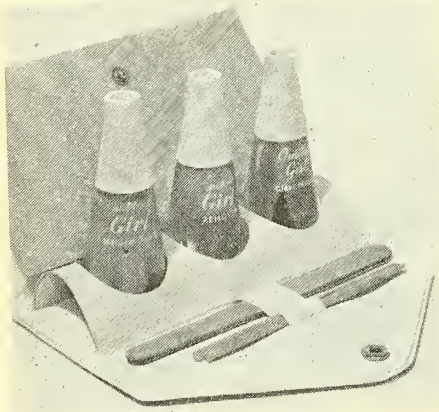
1. Chanel No. 5 perfume and matching eau de Cologne on white satin. *Chanel, Ltd.*, 2 Old Bond Street, London, W.1.
2. Representative of a range, the coffret shown contains "Le Numero Cinq" eau de Cologne, talcum powder and two tablets of soap. *Molyneux et Cie (Designs and Perfumes), Ltd.*, 63 Grosvenor Street, London, W.1.
3. In pink, yellow and white striped box are perfumes and talcum on white satin. *Lancome (England), Ltd.*, 14 Grosvenor Street, London, W.1.
4. A silk-lined coffret holding three bottles each of a different perfume. "Fath de Fath," Canasta and "Iris Gris." Two sizes of coffret are available. Distributors, *Cullingford of Chelsea*, Webber Road, Kirkby, Liverpool.
5. Outdoor Girl manicure set containing one bottle each of two nail colours, remover, and also orange sticks and emery boards. *Crystal Products, Ltd.*, Hook Rise, Kingston-by-Pass, Surbiton, Surrey.
6. Innoxa talcum powder with matching beauty soap. *Innoxa (England), Ltd.*, 1 Eden Street, London, N.W.1.
7. The box contains Aqua fragrance and Aqua hand lotion. *Revlon International Corporation*, 86 Brook Street, London, W.1.
8. Skin perfume and four matching bath cubes in the new Jane Seymour fragrances "Embrace" or Blue Gardenia. *Jane Seymour, Ltd.*, 162 New Bond Street, London, W.1.
9. Blue Grass hand and body lotion and liquid soap in lightweight bottles and together in a handbag travel phial. *Elizabeth Arden, Ltd.*, London, W.1.
10. Tiara talcum powder and "bouquet." *Lentheric, Ltd.*, 17 Old Bond Street, London, W.1.



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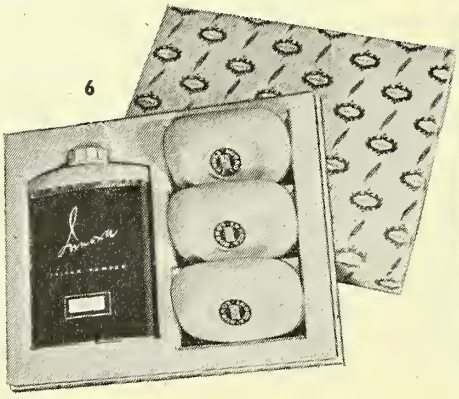

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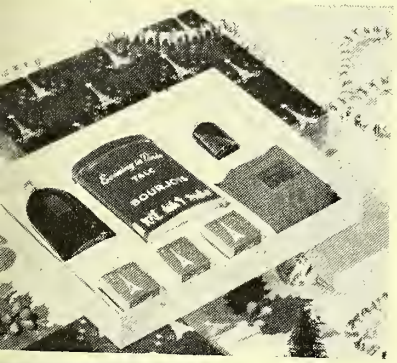

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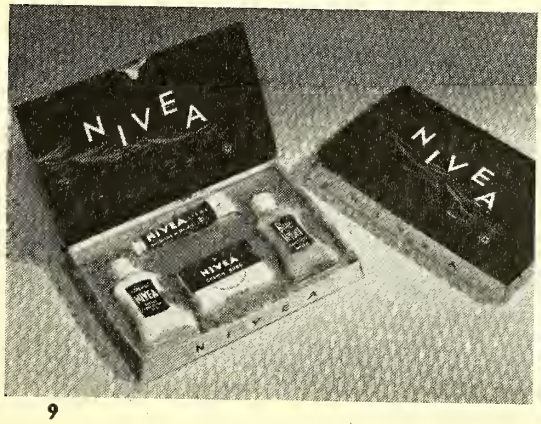
1. Green and gold foil coffret containing 4711 eau de Cologne, soap and hand cream. *Scott & Bowne, Ltd.*, 50 Upper Brook Street, London, W.1.
2. Eau de toilette, talc de Coty, perfumed hand lotion, soap and bath salts, choice of three fragrances. *Coty (England), Ltd.*, 3 Stratford Place, London, W.1.
3. An Evening in Paris coffret, holding eau de Cologne, talcum powder, perfume, three bath cubes and soap. *Bourjois, Ltd.*, 2 Old Bond Street, London, W.1.
4. A Morny gift set consisting of medium flask perfume, hand lotion, bath essence, large skin perfume, and two toilet-soap tablets. *Morny, Ltd.*, 22 Wadsworth Road, Perivale, Middlesex.
5. A Yardley lavender gift-coffret in which are talcum powder, soap, two bath cubes, and perfume. *Yardley & Co., Ltd.*, 33 Old Bond Street, London, W.1.
6. In a presentation box of deep rose are matching Mirage talcum powder and soap. *J. & E. Atkinson, Ltd.*, 24 Old Bond Street, London, W.1.
7. "Apple Blossom" talcum powder, hand cream, toilet soap and bath cubes (two) by *Cussons, Sons & Co., Ltd.*, Kersal Vale, Manchester, 7.
8. "Winter sports" coffret in which there are talcum powder, soap and four bath cubes. *Goya, Ltd.*, 161 New Bond Street, London, W.1.
9. A new Nivea coffret in which are contained liquid Nivea, Blue Velvet hand lotion, skin creme and creme soap. *Smith & Nephew, Ltd.*, Bessemer Road, Welwyn Garden City, Herts.
10. Talcum powder (in a new pack) and bath essence to match in either Mitsouko or l'Heure Bleue fragrances, with "Fleurs des Alpes" soap. *Guerlain, Ltd.*, 14 Grafton Street, London, W.1.



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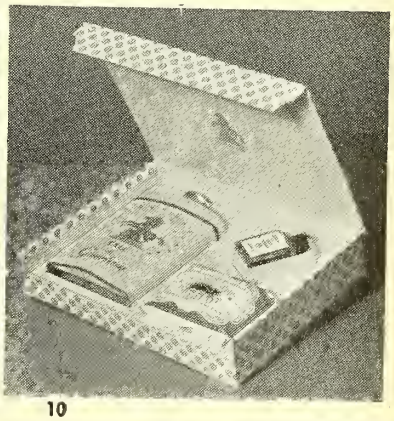

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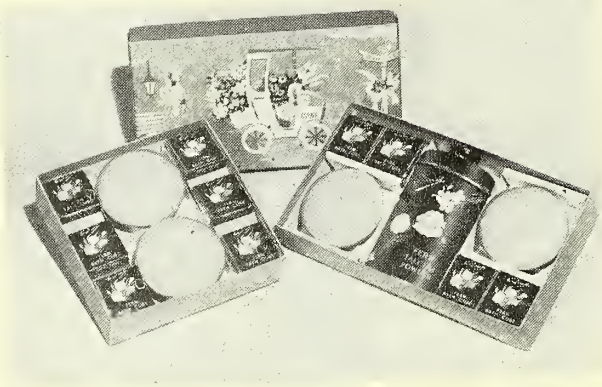

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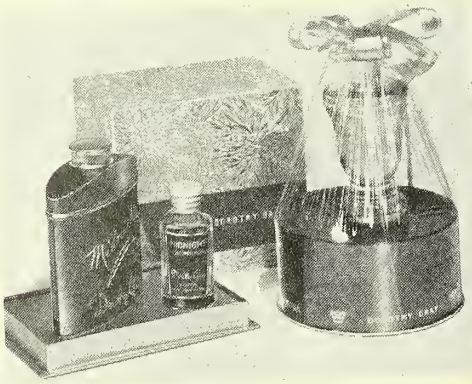

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1. Two gaily embossed gift packs. At left, muguet talcum powder and bath perfume; at right, gardenia toilet soap and gardenia perfume. *Potter & Moore, Ltd.*, Seymour Road, London, E.10.

2. For the younger girl Dubarry have introduced, top left, "Seventeen" coffret containing talcum, "flower petal" soap, bath salt tablet and bubble bath, and at right "My Pretty Maid" coffret containing "perfumed hearts" for the bath, talcum, "flower petal" soap, "Harlequin" bath salts and bubble bath. At bottom left: "Romance in Fragrance"—four new perfumes in French flaçons. They are "Fancy Free," "Romance," "Rapture," and "Orange Blossom." *Dubarry Perfumery Co., Ltd.*, Goldstone Laboratories, Hove, 4, Sussex.

3. In grey and white striped box are Omy sachet boule, soap and bath essence. *Cullingford of Chelsea* (Castle Soaps of Cambridge, Ltd.), Webber Road, Kirkby, Liverpool.

4. In cerise boxes with veteran car motif are, at left, six bath cubes and two tablets of toilet soap, at right, four bath cubes, two tablets of toilet soap and a tin of talcum powder. *Gerard Brothers, Ltd.*, New Basford, Nottingham.

5. A new size of perfumed "Talc de Thaarup": an elegant mauve "puffer" pack with gilt cap. The talcum powder is flesh-coloured. Distributors, *B.G.P. (Cosmetics), Ltd.*, 37 Chesham Place, London, S.W.1.

6. A new presentation of Lucien Lelong Sirocco perfume—a purse-shaped bottle with gilt cap, in white and gold pochette carton. Distributors, *Stanley C. Johnson, Ltd.*, 51 City Road, London, E.C.1.

7. "Jewel casket" pack of six assorted Bathjoys (lavender, bouquet, "Summer Breeze") and a tin of Bathjoy "White Velvet" talcum powder. *Reckitt & Sons, Ltd.*, Hull.

8. At left, Midnight talcum powder and skin perfume in golden presentation box, and at right, Midnight skin perfume and dusting powder (in drum) wrapped in transparent cellulose acetate film finished with a ribbon bow. Two packs from a series by *Dorothy Gray, Ltd.*, Raynes Park, London, S.W.20.

9. A novelty "Father Christmas" presentation of Californian Poppy perfume. *Josephine Kell, Ltd.*, 22 Old Bond Street, London, W.1.

1. A new Dubarry bath preparation—"Harlequin" perfumed bath salts in "lantern" carton. *Dubarry Perfumery Co., Ltd.*, Goldstone Laboratories, Hove, 4, Sussex.

2. Six egg-shaped bath tablets on a foil star is one of three new bath preparation presentations by *Jean Sorelle, Ltd.*, 21 Turle Road, London, N.4. The others are fourteen compressed "bath" salts in shape of a cluster of grapes in transparent plastic container; and a "junior champagne" bubble bath.

3. One of the range of novelty, hand-painted soaps by Mem, Vienna, "Perky Pandas" are packed three to a box. Distributors, *George Spencer & Son, Ltd.*, Kynance Place, Gloucester Road, London, S.W.7.

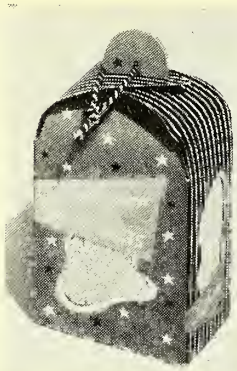
4. Latest introduction to the range of *Roberts Windsor, Ltd.*, The Acre, Windsor, Berks, are "bath icicles" in drum pack. The company are also producing other selections of their range in Christmas gift packs.

5. Three of the four Ebe gift packs (all in transparent plastic boxes) are shown here: top left, bath powder in new "Gay-Pak" (coloured plastic drums); top right, bath "flowers" (eighteen in window box); and bottom right, "country bouquet" (twelve packets of bath powder). *Oatine Co.* (*Opera Omnia, Ltd.*), 44 Kennington Lane, London, S.E.11. At bottom left, "Carnival Balloons": bath essence in capsule form, at centre, Perylsia bath set. *Dubarry Perfumery Co., Ltd.*

6. Three "In Love" sets of the ten new Hartnell gift packs all of which are in pale pink with gilt lettering. At left, six tablets of soap, centre, talcum powder (in plastic "puffer" container), soap, and three bath cubes; at right, perfume in silk-lined presentation box. Distributors, *J. Grossmith & Son, Ltd.*, 41 Piccadilly, London, W.1.

7. One of the range of "White Magnolia" gift packs, containing dusting powder and bath essence. *Helena Rubinstein, Ltd.*, 3 Grafton Street, London, W.1.

8. A selection of the gift range of *Saville Perfumery, Ltd.*, Rickmansworth Road, Watford, Herts. At left, a novelty, transparent plastic pack of orange blossom perfume; at top right, one of a range of coffrets in assorted patterns of silver and red foil (with one exception, see p. 147). It contains "puffer" talcum powder, perfume, and hand cream. At bottom right, four June fragrance bath cubes.



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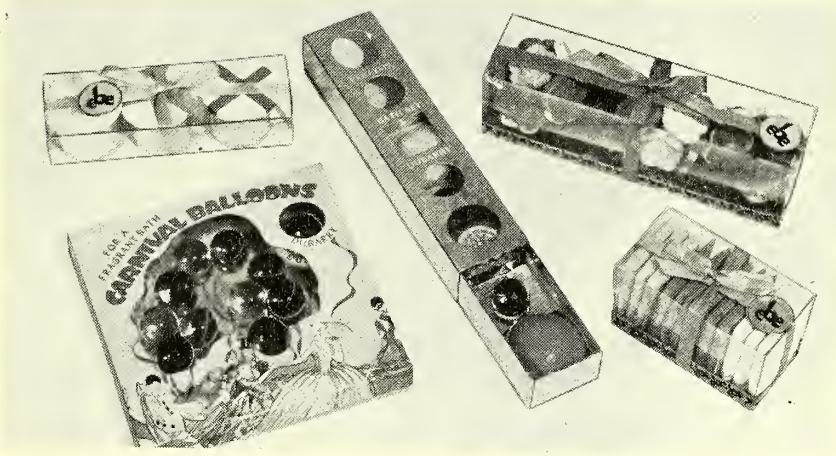

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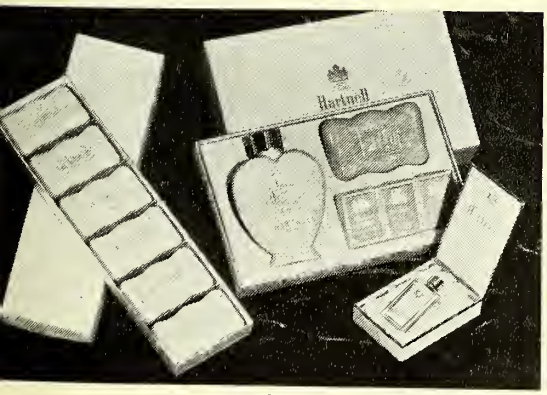

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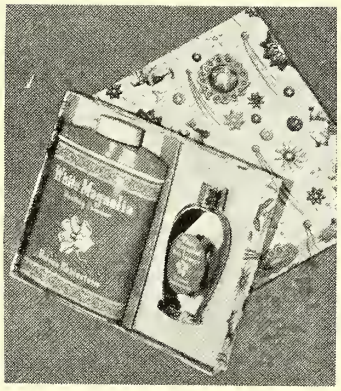

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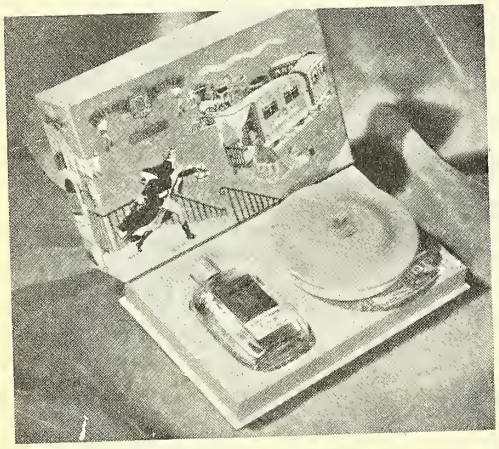

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1. At left, after-shaving lotion and shaving stick in red box which has a golden galleon embossed on lid. *Potter & Moore, Ltd.,* Seymour Road, London, E.10; at right, 4711 Sir coffret containing brilliantine and after-shaving lotion. *Scott & Bowne, Ltd.,* 50 Upper Brook Street, London, W.1.

2. "Daily double" coffret containing Lazy Shave foam lather, and after-shave lotion. Another new addition to the Max Factor men's range is the "three for the road" pack—three plastic bottles in transparent plastic pack containing after-shave, deodorant Cologne, and cream hair dressing. *Max Factor Hollywood and London (Sales), Ltd.,* 16 Old Bond Street, London, W.1.

3. A new electric shaver in the Sunbeam range — the "Rollmaster." Available as single- or multi-voltage models, both including new three-cutter head and self-adjusting rollers. *Sunbeam Electric, Ltd.,* 14 Old Quebec Street, London, W.1.

4. Imperial Leather gift set containing shaving bowl and after-shave lotion. *Cussons Sons & Co., Ltd.,* Kersal Vale, Manchester, 7.

5. In two-tone blue carton are after-shave lotion, bath talc and tonic hair lotion by *Cyclax, Ltd.,* 65 South Molton Street, London, W.1.

6. One pack in the Cedar Wood series, containing talcum, after-shave and shaving-soap bowl by *Goya, Ltd.,* 161 New Bond Street, London, W.1.

7. The Yardley men's range has been re-packaged and four products added ("Tender Skin" shaving lotion, shaving foam, deodorant, and shampoo for men). The new styling is as shown here. The coffret contains after-shave talc and lotion, shaving bowl, shower talc, eau de Cologne, lavender bath soap and lavender oil.

8. A new Halex travel set for men —the "Continental." It is a tan folding pack holding nine toilet items. *Halex division, British Xylonite Co., Ltd.,* Highams Park, London, E.4.

9. One of the three Corvette coffrets, holding shaving bowl and after-shave lotion. *Jane Seymour, Ltd.,* 161 New Bond Street, London, W.1.

10. Shaving bowl, after-shave lotion, brilliantine and bath soap in one of the men's sets by *Dubarry Perfumery Co., Ltd.,* Goldstone Laboratories, Hove, 4, Sussex.

11. Tabac shaving bowl in cedar wood containing turtle-oil shaving soap; plastic bottles of Tabac talcum powder and after-shave lotion. *Personality Beauty Products, Ltd.,* Ashby-de-la-Zouch, Leics.

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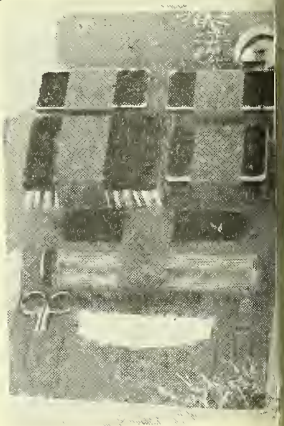

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12. White Horse pre-electric shave and after-shave lotion in dark red box with hunting scene on the lid. *Gala of London, Ltd.,* Hook Rise, Kingston-By-Pass, Surbiton, Surrey.
13. Liquid brilliantine, after-shave lotion and lavender toilet soap in red travel case. *J. & E. Atkinson, Ltd.,* 24 Old Bond Street, London, W.1.
14. One of the Prince Gourielli coffrets, containing talcum, lather shaving cream and after-shave lotion. *Helena Rubinstein, Ltd.,* 3 Grafton Street, London, W.1.
15. After-shave lotion, lather cream and brilliantine—one of the seven sets for men by *Lentheric, Ltd.,* 17 Old Bond Street, London, W.1.
16. Parfum de toilette by D'Orsay (in six sizes). Distributors, *Stanley C. Johnson, Ltd.,* 51 City Road, London, E.C.1.
17. "Travelaire" holding pre-electric and after-shave lotions, toilet water, deodorant and four tablets of soap. *Elizabeth Arden, Ltd.,* 25 Old Bond Street, London, W.1.
18. One of the Old Spice packs: after-shave lotion, body talcum powder and "Smooth Shave." *Shulton (Gt. Britain), Ltd.,* 160 Piccadilly, London, W.1.
19. Lubin after-shave lotion in an atomiser bottle — claimed a unique packing for that preparation. The bottle is dark green with gilt cap. Distributors, *Abbey Parfumerie Co., Ltd.,* 7 Oxford Circus Avenue, London, W.1.
20. In plastic case are a range of toilet items for men. *E. R. Holloway Sales, Ltd.,* Bessemer Road, Welwyn Garden City, Herts.

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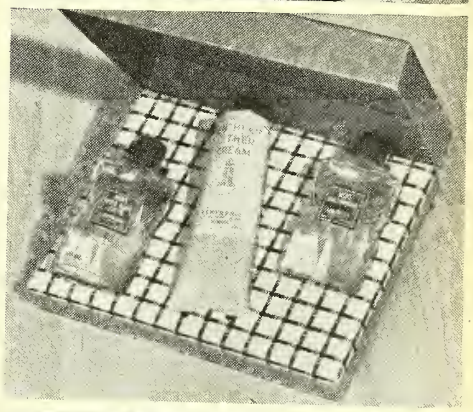

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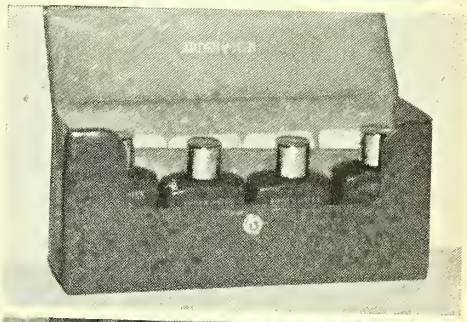

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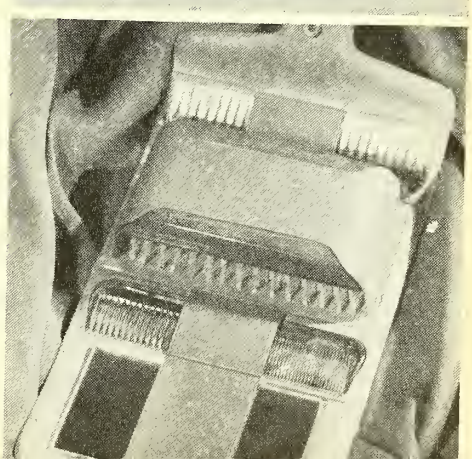

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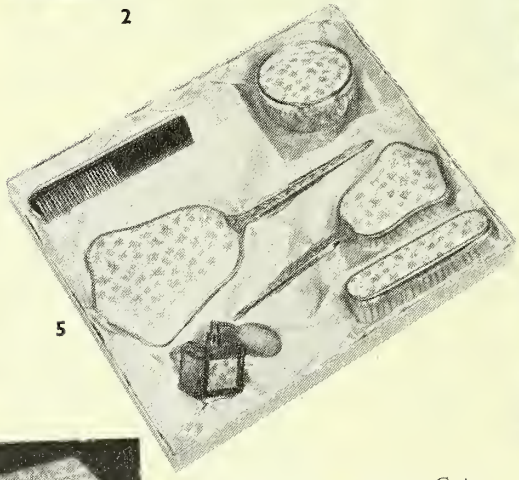

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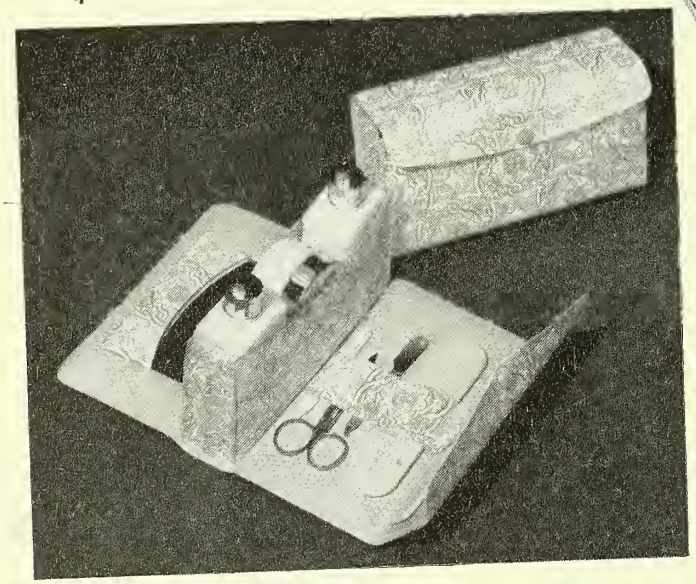

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1. One of the many Coty special packs: Talc de Coty and "Twistick" solid Cologne available in three perfumes ("l'Aimant," Paris, "Muguet des Bois"). *Coty (England), Ltd.*, 3 Stratford Place, London, W.1.

2. Toledo, a new Innoxa range, "woody" in note and presented in a black, white, and gold décor. Shown here are the bath oil and talcum powder. *Innoxa (England), Ltd.*, 1 Eden Street, London, N.W.1.

3. The two shapes of 4711 Cologne bottle are seen here —at left, in a pack with bath cubes is the new shape; at right is the old with a new shape of bottle for the hand cream. *Scott & Bowne, Ltd.*, 50 Upper Brook Street, London, W.1.

4. A trio pack of "Elysees," "Jolie Madame" and "Vent Vert" perfumes by Pierre Balmain. Distributors, *Buser & Co., Ltd.*, 12 Grafton Street, London, W.1.

5. A six-piece Mascot brush set comprising mirror, hair and clothes brushes, comb, powder bowl and perfume spray, all in matching brocades, "enameloids" and petit points, in silk-lined box. Additional accessories are available. *A. S. Brown & Co. (Mfg.), Ltd.*, 79 Coborn Road, London, E.3.

6. A French Moss coffret by *J. C. & J. Field, Ltd.*, Manchester. The coffret contains perfume stick, two bath cubes, and a tin of talcum powder with French perfume. Similar packs of French Pink and French Flower are available in different colour schemes with different pictures on the lids.

7. A plastic travelling case for ladies' toiletries containing powder and lotion bottles and cream jar (all in plastic), mirror, cuticle stick, nail file and scissors, comb, and small brush for clothes or hair. *E. R. Holloway Sales, Ltd.*, Bessemer Road, Welwyn Garden City, Herts.

8. A manicure case in which are contained a base coat, remover and nail enamel. The case is black and white with small flecks of red ("Donegal tweed") in durable plastic, and the inside is brilliant red. *Revlon International Corporation*, 86 Brook Street, London, W.1.

QUALITY

IN WHITE FLINT GLASS CONTAINERS

DISPENSING BOTTLES
1-oz. to 20-oz.

RIBBED OVALS
½-oz. to 16-oz.

PLAIN OVALS
4-oz., 8-oz. and 16-oz.

BOW-FRONT PANELS
1-oz. to 8-oz. and 16-oz.

OLIVE OIL BOTTLES
2½-oz., 5-oz. and 10-oz.

OVAL TABLET BOTTLES
Nos. 1 to 7½ sizes.

RECTANGULAR TABLET BOTTLES
Nos. 1, 2, 3, 4, 5, 6 and 9 sizes

ROUND SCREW JARS
Tall and Semi-squat.

PANEL FLATS
1-oz. to 4-oz.

VIALS.
½-oz. to 3-oz.

- *Prompt delivery from stock*
- *Packed in easily handled cartons*
- *Wholesale only*

First Class in GLASS

* AMBER BOTTLES. We can now offer certain types of glass containers in Amber and your enquiries are invited.

NATIONAL GLASS WORKS (YORK) LTD.

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Selling Agents in Northern Ireland: Magowan, Vicars (Chemicals) Ltd., 64/66 Townsend Street, BELFAST. Telephone: Belfast 29830

Pull in a load of profit this C

with BOU

(C.172) Delightful 'Young Beauty' Coffret containing Toilet Water, Dusting Powder, Toilet Soap and Bath Cubes. 9/-. Also large coffret. 11/6d.

(C. 137) Evening in Toilet Soaps and 6 Cubes. 5/6d.

(C. 124) Evening in Paris Perfume, Toilet Soap and Bath Cubes. 6/3d.

(C. 140) Evening in Paris Perfume, Talc and Bath Cubes. 8/6d.

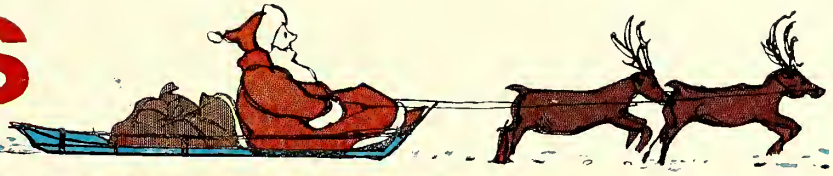
(C.135) Plastic Posy Bowl contains 3 Tablets Toilet Soap; for after-use as flower bowl. White, blue, pink, black. 5/6d.

Gay, sales-winning packs
Every Bourjois pack has an irresistible appeal. Masses of bright colour and clever gift tags on every pack.

Special Christmas advertising
Lots and lots of good ideas for gift-search people are shown in the Bourjois Christmas adv tisements. In brilliant colour—in all the m popular women's and illustrated magazines. A large black and white advertisements in National Press.

tmas

RJOIS



(C. 142) Large coffret containing Evening in Paris Perfume, Eau de Cologne, Talc, Bath Soap and Bath Cubes. 14/9d.

(C. 171) Attractive Christmassy Sledge filled with 6 assorted Bath Cubes. 3/4d.

shes of Roses
let Soap and
es. 3/8d. Also

(C. 161) Cellophane-wrapped Ashes of Roses Toilet Soap and Bath Cubes. Also in Violets and Lavender. 2/6d.

(C. 160) Evening in Paris Talcum Powder. 3/6d.

Make it a good Christmas for you

. . . by making up your Christmas list of Bourjois packs right now!

This range fills many scripts

V-CIL-K PRODUCTS NOW INCLUDE

PULVULES V-CIL-K

'V-Cil-K' is available as:

'PULVULES'	125 mg., 250 mg.
TABLETS	60 mg., 125 mg., 250 mg.
SYRUP	125 mg. per 5 cc. when dispensed.

This comprehensive range enables you to fill prescriptions calling for either capsules or tablets of:

Penicillin V, Phenoxymethylpenicillin
Penicillin VK, Penicillin V Potassium
Potassium phenoxymethylpenicillin
(When strengths of 120mg., 125mg., or 250mg. are ordered)
and Syrup or Liquid Penicillin V, Penicillin VK

It pays you to stock the range of

'V-CIL-K'

TRADE MARK BRAND

PENICILLIN V POTASSIUM
Products

Lilly

ELI LILLY AND COMPANY LIMITED, BASINGSTOKE, ENGLAND

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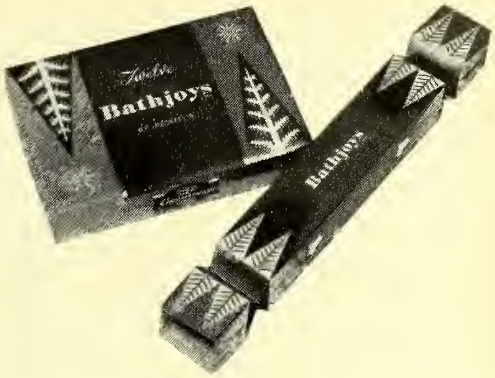

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. V.I.P. baby powder is the latest addition to the range of *Roberts Windsor, Ltd.*, The Acre, Windsor, Berks. The company are also producing many coffrets for Christmas in addition to the Otto of Flowers range.

. Johnson's new Pic-a-Puff which is promoted as a Christmas line. It is a large coil of cleansing "wool," which is drawn through a serrated hole in the top of the plastic drum. *Johnson & Johnson (Gt. Britain), Ltd.*, Slough, Bucks.

. A "Christmas-tree lantern" pack of three tablets of soap by *Cullingford of Chelsea*, Webber Road, Kirkby, Liverpool.

. Bathjoys Christmas packs: at left box of twelve cubes in lavender, bouquet, and "Summer Breeze" fragrances; at right, "cracker" pack containing six Bathjoys in each of the four perfumes lavender, bouquet, pine and "Summer Breeze." *Reckitt & Sons, Ltd.*, Hull.

. "Miss Goya" gift pack: a combination of perfume and matching perfumed Cologne. *Goya, Ltd.*, 161 New Bond Street, London, W.1.

. The Delage perfume range including novelty packs. The manufacturers *L. G. Colomb & Co., Ltd.*, 3 King Street, London, W.C.2), offer a range of Christmas "trees" for display purposes against specified orders.

7. The compact with "Indian-jewel" design on coloured enamel grounds has a lipstick case and a perfume phial attachments. *Laughton & Sons, Ltd.*, Warstock Road, Birmingham, 14.

8. "Bathettes" (capsules of bath oils) in transparent pack. *Jane Seymour, Ltd.*, 162 New Bond Street, London, W.1.

9. Cussons' "Apple Blossom" gift set containing talcum powder and six bath cubes. *Cussons Sons & Co., Ltd.*, Kersal Vale, Manchester, 7.

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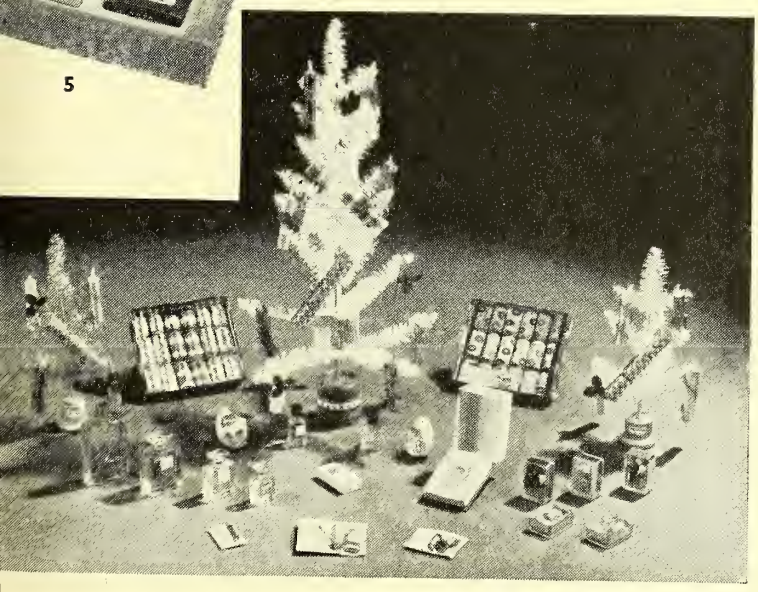

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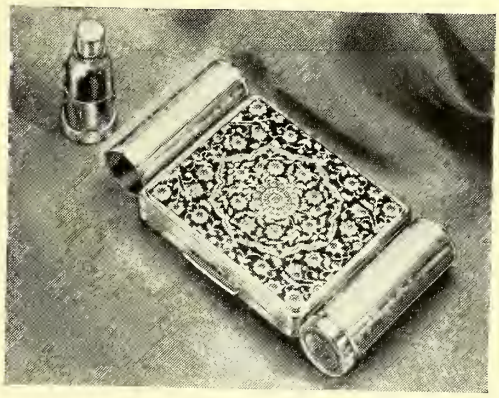

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Onward from Galen

A CURRENT CAUSERIE

If there were a "father of the British Pharmaceutical Conference," as there is a "father of the House of Commons," perhaps it would now be Mr. H. Humphreys Jones, F.P.S., F.R.I.C., Liverpool. Mr. Humphreys Jones, who will be attending the Bournemouth meeting this year, has been revisiting the scene of an earlier Conference meeting—Bath—and reports that "very few acquaintances are left." That is hardly surprising, since the Bath meeting was in 1924, though had there been no change of plan dictated by the 1939-45 war he would have been chairman at a return meeting of the Conference to Bath in one of those years. Though he seems to have the secret of eternal youth Mr. Jones admits that attending "conferences, eisteddfodan, etc.," tends now to become "a little burdensome." He is, however, lighter by one burden: the silver crown for the best poet at the Welsh National Eisteddfod, of which this year he was the donor. His long association with the Gorsedd (the Welsh "order of bards") —almost as long as his association with Conferences, since he became an "ovate" member at the 1928 Eisteddfod at Treorchy—recently gained for him the recognition that he was elevated to the Gorsedd's Druidic Order, a distinction highly rated by all those who interest themselves in Welsh culture. Nevertheless, like many of his fellow countrymen, Mr. Humphreys Jones tolerates the English well enough to continue living amongst them.

★

The recent dispute in the printing industry prevented mention at the proper date (July 5) of the centenary of the death of Charles Cagniard de la Tour (Cagniard-Latour), French engineer and physicist, who made several important contributions to physics, chemistry, biology, and medicine. De la Tour was born in Paris on March 31, 1777, studied at the *Ecole militaire de Rebais* and at the *Ecole polytechnique*, and joined the *Corps des Ingénieurs Géographes*. In 1811 he was attached to the Ministry of the Interior and in 1819 was created a baron. Independently of Theodor Schwann in Germany, he may claim to be responsible for the germ theory through his discovery in 1837 ("*Mémoires sur la fermentation vineuse*") that yeast consists of a mass of globules that are vegetable in nature and that it causes fermentation. In 1839 Liebig insisted that that process was purely chemical, with the result that the Baron's views were forgotten until 1856, when they were revived and expanded by Louis Pasteur. Cagniard de la Tour's name is perpetuated in the *cagniardelle* (essentially an Archimedean screw) and to a siren which achieved importance in acoustical investigations and was used for signalling on ships.

★

So long ago as October 1953, on the occasion of the first Symposium on the Control of Insect Vectors of Disease held at Rome, the statement was made that insect resistance to insecticides had been recognised in thirty-two countries. Housefly resistance was then included in the computation of a number of countries. Since that time insecticide resistance in the housefly has appeared in virtually every country in which chlorinated hydrocarbon insecticides have been used. The only countries from which it has not been reported are China, in which the use of chlorinated hydrocarbons has been omitted or in some cases deliberately avoided; Soviet Russia; the Eastern European countries, where resistance may have been developed but never to the point where it has become evident as control failure; and certain territories in Africa and south-eastern Asia, where chlorinated hydrocarbons have scarcely been used, or no observations have been made on the consequences. So far as Soviet Russia is concerned there is no suggestion that resistance is absent. The situation is rather a complete lack of information at the World Health Organisation.

NEW BOOKS

An A.B.C. Index of Papers

FREDERICK T. DAY. *Trade Journals, Ltd.*, 9 Gough Square, London, E.C.4. 9 x 5¾ in. Pp. 161. 20s.

Mr. Day is known to *C. & D.* readers for his article on "Advances in Labelling" (*C. & D.*, February 7, p. 147). His book is a "dictionary" of trade terms, qualities, weights, sizes, and methods of testing papers, and should prove of value to everyone using and associated with paper, packaging, etc.

The Technical Writer

J. W. GODFREY and G. PARR, M.I.E.E. *Chapman & Hall, Ltd.*, 37 Essex Street, London, W.C.2. 8½ x 5½ in. Pp. 340. 45s.

The dissemination of science and technology depends largely upon the written word, and this book is an attempt to help those concerned with compiling scientific reports and accounts. It deals not only with some of the literary aspects of technical writing but also with many of the various methods of printing and reproduction. It thus provides the technical writer with the necessary background and knowledge of the techniques at his disposal.

Applied Microscopy and Photomicroscopy

H. M. MALIES, F.R.M.S. *Fountain Press*, 46 Chancery Lane, London, W.C.2. 8¾ x 5½ in. Pp. 143. 22s. 6d.

While photomicrography is now essential in most branches of science, the subject is usually regarded as difficult. In fact, says the author, the technique can be acquired without difficulty. If it is approached in a certain way the student can be given the knowledge that will remove in advance the common causes of failure. The book assumes that the reader has no previous experience of the subject but by its approach it will also interest those who already possess some knowledge of microscopy.

The Chemistry of Drugs

NORMAN EVERS, PH.D., F.R.I.C., and DENNIS CALDWELL, B.SC., F.R.I.C. *Ernest Benn, Ltd.*, Bouverie House, Fleet Street, London, E.C.4. 9 x 6 in. Pp. 415. 84s.

Based on Dr. Evers's book of the same title published in 1938 (and for many years not available) this third edition has been entirely rewritten. It deals with the chemistry of synthetic and natural drugs, their structure, methods of preparation, and chemical and therapeutic properties. Many of the older drugs that are not often used have been omitted to make room for the newer. A comprehensive table of official or approved names giving their proprietary and chemical names is included.

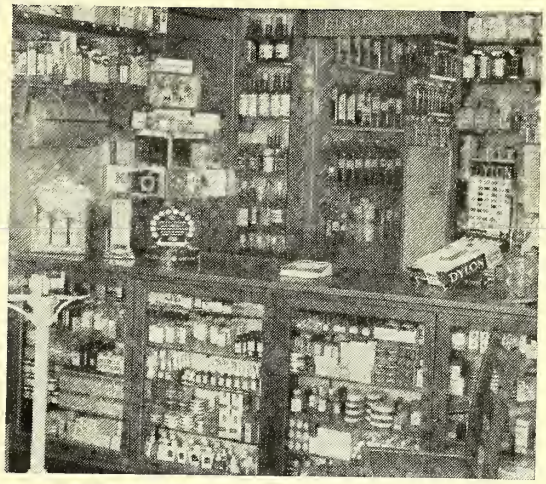
ECHOES OF THE PAST

MR. HILL'S ORMSKIRK MEDICINE

From *The Morning Chronicle*, December 9, 1788

The Medicine prepared by Mess. HILL and BERRY, for the cure of the Bite of a Mad Dog, is sold at Mr. Berry's, in Mount-street, Berkeley-square; and at Mr. Francis Newbery's, No. 45, St. Paul's Church-yard, near Cheapside, and no where else in London.

Mess. Hill and Berry think it a duty incumbent upon them to apprize the publick of attempts being daily made to counterfeit their medicine by various persons in different parts of the kingdom, and beg leave to observe, that as the accident for which this medicine is administered is of the most alarming nature, and serious in its consequences, the importance of obtaining it authentick must be obvious; and therefore every person having occasion for this remedy, is requested to be particular in observing that each dose is sealed with Mr. Hill's coat of arms, and signed by J. Berry, as the surest means to avoid being imposed on by spurious preparations.



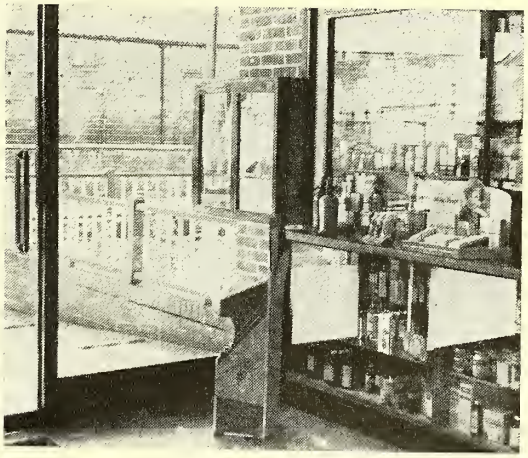
An Open Front at a Rural Pharmacy

Changes at the premises of H. M. Hirst, Ltd., Newby

A CHANGE of shopfront at the pharmacy of which the late Mr. H. M. Hirst (a former member of the Pharmaceutical Society's Council) was proprietor proves two things. It demonstrates that the backless window may be just as successfully used at a rurally situated as at an urban pharmacy. And it shows how pleasant and attractive a workplace is created by such a window for the staff of the shop—perhaps especially so in a country pharmacy. The work was done by A. J. Sinclair & Sons, Ltd., Scarborough, who describe it as having been a matter of knocking out the old front, fitting in new frame and glass (they were installed the same day (and doing away with unsightly hoardings). The pharmacy becomes the first open-style shop in the area, and the site was ideal for its adoption because intense sun renders the display of stock in windows unwise. As it is on the side of the road where the sun is on it in the morning, the old-type front made the shop dark later in the day. As the pharmacy is the only shop on that side for a stretch of four miles, and there is no footpath to the road outside, customers used formerly to visit it only when they had a definite idea of purchase in mind. The new front has altered all that.

The front is made of sapele mahogany throughout, with pilasters of hand-made bricks, flush-pointed in white and faced with oatmeal tiles. The entrance also has oatmeal tiles, and the small hanging cases are backed with pale-blue glazed tiles. The facia lettering is in blue to match, and the panel is of light oak laminated plastic hardboard on thick ply, with lettering in gold. The underside of the facia has the old window lights built in, serving the double purpose of lighting both the shop approaches and the shop interior —the latter with a diffused light. The door is of armour-plate glass and the fittings are in bronze.

To give more depth to the shop in view of the backless-type window, the dispensing screen has been put through into what was formerly the stock room (back left in right-hand title illustration), and the counter has been moved back 6 ft. Existing fixtures have been used. A new floor covering in bright red helps to throw into relief the oak fixtures. The aim was to produce something new and up to the minute without looking out of place in a semi-rural area, where much of the building round about dates back to the seventeenth century. Opposite the shop is the old village pound, once used for felons and stray animals, now a depôt for the County Council. The shop itself is built on the site of the old village pond, long since dried up. Evidence of the pond was found when the foundations were dug in 1932, when old coins were unearthed. The explanation attached was that, during the time of the Great Plague, people from Scarborough came out to Newby for grain and fodder, commodities previously delivered by the villagers, who now, not themselves suffering from the Plague, kept at a safe distance. The townspeople having collected their goods, back came the villagers to collect the payment, and they prudently washed the money in the pond, losing a coin or two in the process. There is a remnant of the old times in the stream that fed the pond. It now runs underground beside the shop and across the main road, but showed itself in a rather disconcerting way several years ago during a wet spell. The unusual amount of water had loosened the soil, and an unsuspecting motorist who came into the shop to buy tooth-paste had to suffer the ignominy of having his Bentley dug out of the road where, owing to the stream's legacy, it had sunk in as far as the running board.



The open front beckons the customer into the shop (left) and improves the outlook (right) of those who spend their working lives within the pharmacy.

MEDICAL ABSTRACTS

IRON POISONING IN CHILDREN

THE Committee on toxicology of the American Medical Association recently published a report upon accidental iron poisoning in children. (*J. Amer. med. Assoc.*, 1959. **170.** 676.) The report refers among other things to the increased opportunity for accidental poisoning in young children because of the more extensive use of ferrous sulphate tablets for the treatment of iron-deficiency anæmia. That is reflected in the statistics on fatal accidental iron poisoning recorded in the United States and Great Britain in recent years. In Britain, ferrous sulphate is considered the most important childhood poison, comparable with aspirin in the United States as the greatest single cause of poisoning in small children. Two decades ago (1930–39) only two children died in Great Britain from ferrous sulphate poisoning; during the 1940–49 decade the drug killed seventeen, with two more deaths attributed to unspecified iron tablets. Precise data for a comparable period for the United States are not available, though the available data suggest that poisoning from oral ingestion of medicinal iron preparations is not as important a cause of injury in the United States as in Great Britain. The mechanism of action in iron poisoning is not known, and pathological findings have failed to give a satisfactory explanation for death. As iron has no organ of excretion, iron released from the catabolism of iron compounds is not excreted and must be fed back into anabolic iron pathways. Overloading with parenterally administered iron is not compensated for by increased fæcal or urinary excretion, and iron found in the fæces represents only unabsorbed iron; urinary excretion of iron is negligible, and increased ingestion of iron is not accompanied by a rise in urinary excretion. The capacity to regulate the amount of iron in the body lies in the absorption mechanism: the mucosal cells of the intestinal tract. It is absorbed more readily in the ferrous than in the ferric form, and absorption is not simple diffusion across a membrane but rather a metabolic transportation through the intestinal mucosa. The pathological picture is usually that of hæmorrhage and necrosis of the stomach and intestinal mucosa. The liver is frequently involved, showing mild, cloudy swelling to small areas of complete necrosis.

There are three critical phases in iron poisoning: an early acute phase of shock that occurs within a few hours after ingestion; a recurrent phase that appears 20–48 hours after ingestion; and occasionally a late phase of gastric scarring and contracture, with pyloric obstruction appearing about a month later. Death has occurred from the ingestion of ferrous sulphate in doses ranging from 40 to 1,600 mgm. per kilo of body weight. The principal manifestations of poisoning are vomiting and circulatory collapse. Lethargy, vomiting, fast and weak pulse, low blood pressure, and coma appear within ½–1 hour after ingestion. The symptoms may disappear after 4–6 hours, followed by a 6–24-hour symptom-free period in which the child seems to improve rapidly. A second crisis then occurs, with cyanosis, vasomotor collapse, pulmonary œdema, coma, and death within twelve to forty-eight hours. Treatment is directed toward removing the iron and combating shock. Milk should be given immediately and vomiting induced. The stomach should be lavaged with a 5 per cent. aqueous solution of monosodium phosphate or di-sodium phosphate, of which 2–3 oz. should be left in the stomach of a child 1 or 2 years old (proportionately greater amounts may be given to older patients). Bismuth subcarbonate, 200 mgm., may be given every four hours to young children. A solution of 5 per cent. glucose in saline solution should be administered intravenously to correct dehydration.

GRISEOFULVIN TREATMENT OF RINGWORM

COCHRANE and Tullet recently reported (*Brit. med. J.*, 1959. **ii.** 286) upon the effective use of griseofulvin, used systemically, in the treatment of cattle ringworm in human patients. Use of the antibiotic in the treatment of fungus infection in sixteen cases is described. Local treatment consisted of the removal of crusted and foul-smelling lesions with a 1:4,000 mercury perchloride lotion. Optimum and minimum effective dosages have not yet been uncovered but a daily dose of 1 gm. proved effective. Side-effects were minimal. Duration of treatment was found to vary according to type of infection and site. The authors consider that routine hæmatological examination is not necessary in short-term therapy. Preliminary investigations of other ringworm infections have also proved the value of the antibiotic. The authors state that "griseofulvin now seems to be the treatment of choice."

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," August 19

For chemical substances for use in industry (1)
LINOFOR, 785,126, by Imperial Chemical Industries, Ltd., London, S.W.1.

For all goods (1)
MONTOTHENE, 787,014, by Monsanto Chemicals, Ltd., London, S.W.1. DICAPTHON, 787,486, by American Cyanamid Co., New York, U.S.A. GAFEN, 788,383, by General Aniline and Film Corporation, New York, U.S.A.

For cleaning, polishing, scouring and abrasive preparations; and soaps, perfumes and dentifrices (3)
Device with words GIRL ON THE BRUSH, BETTERWEAR PRODUCTS, LTD., 782,646, by Betterwear Products, Ltd., Romford, Essex.

For cosmetic preparations (not being toilet preparations) and perfumes for use in perfume burners (3) *and for disinfectants and deodorants* (5)
DEDORISAN, 782,681-82, by Antoine François Regis Peyron, Paris, 9e, France.

For detergents and washing preparations, all for laundry and domestic purposes (3)
SWIFFA, B783,281, by Hankeys, Ltd., Nelson, Lancs.

For perfumes, non-medicated toilet preparations, cosmetics, hair lotions and dentifrices, but not including soap (3)
HOLIDAY, B784,714, by Bourjois, Ltd., Croydon, Surrey.

For all goods made from or containing pine extract (3)
SUNPINE, 785,709, by Promedico Products, Ltd., London, N.14.

For non-medicated toilet preparations, cosmetic preparations, soaps and toilet articles (3)
SARDO, B786,303, by Sardeau, Inc., New York, U.S.A.

For soaps, and detergents (not for use in industrial or manufacturing processes) (3)
VIA, 786,531, by Lever Bros., Port Sunlight, Ltd., Port Sunlight, Ches.

For all goods (3)
PASCALIN, 786,763, by C. H. Boehringer Sohn, Ingelheim-on-Rhine, Germany. Device with words SOIR DE PARIS, 787,336, by Bourjois, Ltd., Croydon, Surrey.

For perfumes, non-medicated toilet preparations and perfumed soap (3)
BRUMAIRE, 787,947, by Marcel Franck & Co. (London), Ltd., London, S.W.4.

For pharmaceutical, veterinary and sanitary substances; disinfectants; and preparations for killing weeds and destroying vermin; all being chemical substances (5)
Device, 760,573, by Whiffen & Sons, Ltd., London, S.W.6.

For pharmaceutical antibacterial preparations (5)
DAPANONE, 777,860, by Merck & Co., Inc., New Jersey, U.S.A.

For pharmaceutical preparations for the treatment of coughs (5)
ANTUSSIN, 780,083, by Tobal Products, Ltd., London, W.1.

For medicinal preparations for use by spraying in the treatment of nasal complaints (5)
CODELSPRAY, 780,731, by Merck & Co., Inc., New Jersey, U.S.A.

For drugs for veterinary purposes (5)
ZOAMIX, 783,066, by Dow Chemical Co., Michigan, U.S.A.

For all goods (5)
HYDRASSON, 784,242, by Ward, Casson, Ltd., London, W.1. LAURODIN, 785,264, by Allen & Hanburys, Ltd., London, E.2. EIRNOL, 785,838, by The Crookes Laboratories, Ltd., London, N.W.10. VALOID, 786,450, by the Wellcome Foundation, Ltd., London, N.W.1. DICAPTHON, 787,487, by The American Cyanamid Co., New York, U.S.A. BROCSIL, BROXIL, 787,753-54, by C. L. Bencard, Ltd., London, N.W.10. OPHTOCORT, 788,212, by Parke, Davis & Co., Michigan, U.S.A., and Hounslow, Middlesex.

For medicinal preparations for human use (5)
HYDROSALURIC, 784,958, by Merck & Co., Inc., New Jersey, U.S.A.

For antibiotic products, all being products containing chlorine (5)
CHLOROCORT, 785,422, by Parke, Davis & Co., Michigan, U.S.A., and Hounslow, Middlesex.

For pharmaceutical preparations used in the treatment of acne (5)
BRASIVOL, 785,965, by Denver Chemical Manufacturing Co., Connecticut, U.S.A.

For pharmaceutical preparations and substances for human use and for veterinary use (5)
MILLICORTEN, 786,440, by CIBA, Ltd., Basle, Switzerland.

For antibiotic preparations for use in nutritional supplements for animal foodstuffs (5)
TERRAMYCIN, 786,621, by Chas. Pfizer & Co., Inc., New York, U.S.A.

For pharmaceutical preparations for human use (5)
MEDROXINE, 786,830, by Upjohn of England, Ltd., Crawley, Sussex.

For piperazine and salts thereof, all being preparations for veterinary use (5)
DOWZENE, 787,193, by Dow Chemical Co., Michigan, U.S.A.

For weed-killing preparations being esters, being derivatives of esters or containing esters (5)
ESTERON, 787,194, by Dow Chemical Co., Michigan, U.S.A.

For pharmaceutical preparations and substances (5)
TRILOCAN, 787,580, by Allied Laboratories, Ltd., London, W.1. LESPAN, 788,305, by Chas. H. Phillips Chemical Co., Ltd., London, W.3.
For catamenial appliances, surgical dressings, and sanitary clothing (5)
KARLEX, 788,237, by Karl Isaac Woolf, Kleinberg, Knotty Ash, Liverpool.
For veterinary preparations (5)
RUMIDEX, 788,422, VETRIVITE, 788,423, by the Crookes Laboratories, Ltd., London, N.W.10.
For medicated ointments for human use (5)
COMPAHEAL, 788,590, by J. & J. Ballard, London, S.W.17.
For scientific and electrical apparatus and instruments, photographic and cinematographic apparatus and instruments, etc., and parts (9)
GUIGNOL, 769,814, by Theatre du Grand-Guignol de Paris, Paris, France.
For cinematographic and photographic projection screens (9)
MIRALYTE, 780,596, by Rank Precision Industries, Ltd., London, W.1.
For cinematograph films prepared for exhibition and photographic apparatus and instruments (9)
Device, 785,081, by Martin Films, Ltd., London, S.W.1.
For sunglasses, spectacles; and lenses and frames therefor (9)
PRIMETTA, 786,984, by August Wulf, G.m.b.H., Schotmar-in-Lippe, Germany.
For supports for the arch of the foot (10)
WIZARD, B769,265, by Wizard Lightfoot Co., Ltd., Walsall, Staffs.
For ampoules (sold empty) for holding single doses of pharmaceutical preparations or substances (10)
ASTRAPULES, 786,296, by Aktiebolaget Astra, Apotekarnes Kemiska Fabriker, Sodertalje, Sweden.
For perfume sprayers, toilet water sprayers and toilet powder sprayers (21)
BRUMAIRE, 787,948, by Marcel Franck & Co. (London), Ltd., London, S.W.4.
For food for domestic animals and for farmyard stock (31)
ZOOLAB, 782,593, by Templeton Patents, Ltd., Hitchin, Herts.

From the "Trade Marks Journal," August 26
For fatty acids and fatty alcohols, all for use in industry (1)
PRICE'S, 769,106, by Price's (Bromborough), Ltd., Bromborough Pool, Ches.
For all goods (1)
ONERA, 772,470, by Office National d'Etudes et de Recherches Aeronautiques, Chatillon-sous-Bagneux, France. GRISOVIN, 784,520, GRISOVET, 787,421, by Glaxo Laboratories, Ltd., Greenford, Middlesex.
For sensitised photographic and data-recording paper; and paper sensitised with chemicals (1)
HELLFAX, 779,412, by Dr.-Ing. Rudolf Hell, K.G., Keil-Dietrichsdorf, Germany.
For fertilisers for plants (1)
SEA-MAGIC, B784,014, by Chase Protected Cultivation, Ltd., Shepperton, Middlesex.
For enzymatic chemical products used in industry (1)
TERMOZYM, 784,363, by Novo Industri, A.S., Copenhagen, Denmark.
For anti-freeze compounds (1)
VISCOLEUM, 785,436, by British Viscoleum Fuels, Ltd., Liverpool, 3.
For polyester resins (1)
HETRON, 785,652, by Hooker Chemical Corporation, Niagara Falls, New York, U.S.A.
For chemical products used in industry (1)
KEARSOL, 785,955, by Kearsley Aero Chemicals, Ltd., London, W.C.2.
For chemical products used in industry, science and photography; and chemical products for use in agriculture, horticulture and forestry (1)
CAZILVA, 787,761, by Colin Stewart, Ltd., Winsford, Ches.
For chemical products for addition to silage to increase the lactic acid content (1)
MORSILE, 788,083, by the English Grains Co., Ltd., Burton-on-Trent.
For cleaning preparations and detergents (none being for use in industrial processes or in the course of manufacture and none being for use in domestic households); common soap and preparations and substances for laundry purposes (3)
LAPOL, 777,525, by Laporte Chemicals, Ltd., London, W.1.
For all goods (3)
SORELLA, 783,524, by Jean Sorelle, Ltd., London, N.4.
For preparations for the hair (3)
Device with wording REVLON LIVING CURL, 783,175 (no right to the exclusive use of the words "Living Curl") by Revlon, Inc., New York, U.S.A.
For perfumes derived from flowers; and toilet preparations (not medicated), cosmetic preparations and toilet articles all prepared with floral extracts (3)
Device with wording THREE FLOWERS 785,490, by Richard Hudnut, Ltd., Eastleigh, Hants.
For cleaning preparations (3)
KEARSOL, 785,957, by Kearsley Aero Chemicals, Ltd., London, W.C.2. OZICOTE, 786,588, by G. H. Wood & Co., Ltd., Toronto, 14, Ontario, Canada.
For non-medicated toilet preparations and cosmetic preparations, all being goods in jelly form (3)
COSMAJEL, 785,960, by D.D.D. Co., Ltd., Watford, Herts.
For preparations for use in curling the hair (3)
OUTDOOR GIRL CURL-ON, 786,106 (no right to the exclusive use of the word "Curl-on"), by Crystal Products Co., Ltd., Surbiton, Surrey.
For toilet powders, creams, lotions, oils, nail varnish, rouge for toilet purposes and lipsticks, all being goods imparting a tint on application (3)
JANE SEYMOUR WONDER TINT, B786,281 (no right to the exclusive use of the words "Wonder Tint"), by Jane Seymour, Ltd., London, W.1.
For toilet preparations for the hair (3)
QUICKSTEP ECLAIR, 786,996, by Ashe Laboratories, Ltd., Leatherhead, Surrey.
For non-medicated toilet preparations, cosmetic preparations, brilliantine, soaps, essential oils, perfumes and toilet articles not included in other classes (3)
ULTIMA, 788,220, by Revlon, Inc., New York, U.S.A.
For pharmaceutical preparations for human use in the treatment of gastro-intestinal disorders (5)
TRAL, 755,176, by Abbott Laboratories, North Chicago, Illinois, U.S.A.
For deodorants for use in detergent products (5)
DE-OL, 771,553, by Domestos, Ltd., Newcastle-upon-Tyne, 6.
For pharmaceutical and biological products for human and veterinary use by internal administration or by topical application (5)
AMUNO, DEPTAVAC, 779,426-27, by Merck & Co., Inc., Rahway, New Jersey, U.S.A.
For chemical preparations containing antibiotics for use as nutritive adjuncts to animal foodstuffs (5)
BACIFERM, 780,911, by Commercial Solvents Corporation, New York, U.S.A.
For pharmaceutical preparations and substances (5)
DECONTRIN, 785,245, by Crinos Industria Farmacobiologica, S.p.A., Milan, Italy. SEBRIUM, 783,888, by West Pharmaceutical Co., Ltd., Hove, 3, Sussex. DYCLOTHANE, 788,671, by Letchworth Pharmaceuticals, Ltd., Letchworth, Herts. PROGEVITE, 781,660, by Gedeon Richter (Great Britain), Ltd., London, N.W.5.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Warnings Should have Teeth ?

SIR,—Once again we have the tut-tut department of the Pharmaceutical Society's Council in full cry (*C. & D.*, August 22, p. 80). Of course we have had vague warnings, but this "don't be naughty" attitude of the Council frankly makes me sick. To be a gentleman one shouldn't sell the items in a certain list, just as one shouldn't break rota agreements, or sell non-medical items on rota duties or even have a doctor's surgery on the premises, etc., but if, by *not* being a gentleman, one can steal one's competitor's trade and ultimately close him down—the Council just couldn't care less. When, oh, when, will our Councillors look after our profession, as all their airy-fairy election statements promise. A bald statement saying that any pharmacist who contravenes a ruling by the Council will be liable to removal from the register by committing a breach of ethics *may* do some good. As things are, hardly anybody will cease selling those items simply because pharmacists, knowing a refusal to sell any item will drive their customers elsewhere, do not know whether competitors will follow suit.

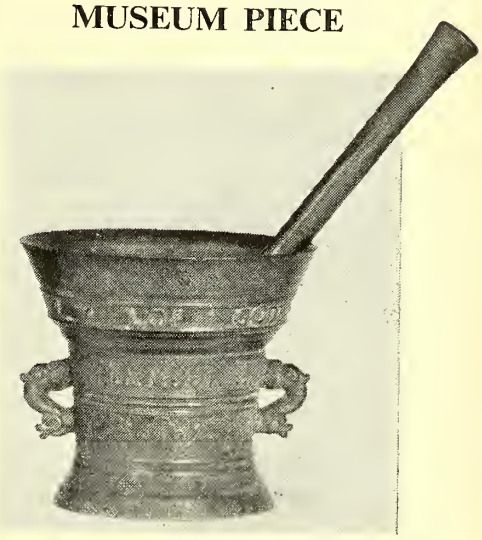
NORMAN R. HAZZLEWOOD,
Sheffield, 12

It Doesn't Add Up

SIR,—It is rather difficult to correlate the direction and the thinking of the Council of our Society, when they print a list of drugs with their proprietary names and ask members not to supply them otherwise than on the written authority of a qualified medical practitioner, and the following week in our own official organ, *The Pharmaceutical Journal*, print a full-page advertisement for one of those drugs, which even states that it is a safe sedative and particularly suitable for children and the aged and has no untoward side-effects. Nothing seems to fit, somehow. Does the right hand not know what the left hand is doing? Or have the members of our Council all got only right hands ?

HAROLD PROCTOR-SMITH,
London, S.W.1

MUSEUM PIECE



Bell metal mortar and pestle on show in a window of the pharmacy of Beach & Co., Bridport, Dorset. The inscription reads: LOF GODT VAN AL A° 1647. The mortar weighs 5½ lb., and has a lip diameter of 7 in.

GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable from the Editor. Notes on the products are given on p. 167

THE CHEMIST AND DRUGGIST Guide to New Medicaments, September 5, 1959

ORADEXON—Organon

MANUFACTURER: Organon Laboratories, Ltd., Brettenham House, Lancaster Place, London, W.C.2.

DESCRIPTION: White scored tablets each containing dexamethasone 0·75 mgm.

INDICATIONS: Inflammatory conditions known to respond to treatment with cortiscosteroids, with the exception of Addisonian and adrenalectomised patients, and especially for short-term treatment.

DOSAGE: In acute conditions such as allergic dermatoses, an initial total daily dose of 4·5 mgm., sometimes more. When acute symptoms are controlled, dosage is reduced gradually, by 1·5 mgm. on alternate or successive days, before finally terminating treatment. In chronic conditions such as rheumatoid arthritis, an initial dose of 3 mgm. daily or less should be sufficient to control symptoms; then gradually reduced dosage every second day, to a final maintenance level of 0·5–1·5 mgm. daily.

HOW SUPPLIED: In bottles of thirty and 100 tablets.

SUPPLY RESTRICTIONS: P.I.

REFERENCES: *Arthritis and Rheumatism N.Y.*, 1958. **1.** 313.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, September 5, 1959

EXTRINEMIN liquid

MANUFACTURER: Weddel Pharmaceuticals division of the Union International Co., Ltd., 14 West Smithfield, London, E.C.1.

DESCRIPTION: An oral hæmatinic, each fluid ounce of which contains: Soluble liver fraction 260 mgm.; ferrous sulphate 525 mgm.; ascorbic acid 28 mgm.; aneurine hydrochloride 2 mgm.; riboflavin 2 mgm.; nicotinamide 17·5 mgm.; liquid glucose 14 gm.; alcohol 90 per cent. 3·64 mils; orange concentrate flavour.

INDICATIONS: For the treatment of nutritional, iron deficiency or secondary anæmias in adults and iron-deficiency or the nutritional anæmia of infancy in children.

DOSAGE: *Adults and children* (over 12 years): 1 tablespoonful (15 mils) three times a day. *Children* (6 to 12 years): 2 teaspoonfuls (8 mils) three times a day. *Children* (under 6 years): ½–1 teaspoonful (2–4 mils) three times a day. Each dose administered with a little water after meals.

HOW SUPPLIED: In bottle of 8 fl. oz.

NOTE: Liquid Extrinemin is intended mainly for children and adults unable to swallow Extrinemin capsules.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, September 5, 1959

DARACLOR

MANUFACTURER: Burroughs Wellcome & Co. (The Wellcome Foundation, Ltd.), Wellcome Building, Euston Road, London, N.W.1.

DESCRIPTION: Tablets with rapid schizonticidal action, effective suppressors of both blood and tissue parasites, and able to arrest infection transmission by the effect on sporogony in the mosquito. Each tablet contains: Pyrimethamine 15 mgm.; chloroquine sulphate equivalent to 150 mgm. chloroquine base.

INDICATIONS: For treatment and suppression of all forms of malaria and as an adjuvant to vector control in eradication.

DOSAGE: *Treatment of clinical malaria*: Semi-immunes—single dose of 4 tablets. Non-immunes—1st day: 4 tablets, followed six hours later by 2 tablets; 2nd and 3rd days, 2 tablets each day. *Causal prophylaxis and suppression*: Semi-immunes—monthly dose of 2 tablets. Non-immunes —1 tablet weekly. In areas of known parasite-resistance, 2 tablets. Infants up to 1 yr.: ¼-½ adult dose; under 5 yrs.: ½ adult dose. Other children: adult dose. In eradication campaigns: single doses 7 to 11 days after insectidical spraying.

HOW SUPPLIED: In strip-packs of four and bottles of thirty and 500 tablets.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, September 5, 1959

PANADOL elixir

MANUFACTURER: Bayer Products, Ltd., Neville House, Eden Street, Kingston-on-Thames, Surrey.

DESCRIPTION: An amber-coloured liquid flavoured with passion fruit, each 5 mils of which contains 120 mgm. of paracetamol.

INDICATIONS: As an analgesic and antipyretic in febrile conditions, teething, otitis media.

DOSAGE: *Children*: Under 1 year, a teaspoonful; 2–6 years, 2 teaspoonfuls; 7 years and over, 4 teaspoonfuls. The doses are given at four-hour intervals or as necessary (1 teaspoonful ≡ 5 mils ≡ 120 mgm. paracetamol).

HOW SUPPLIED: In bottle of 100 mils, with spoon.

FIRST ISSUED: June 1959.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, September 5, 1959

LEDERCORT ACETONIDE ointment

MANUFACTURER: Lederle Laboratories division of Cyanamid of Great Britain, Ltd., Bush House, Aldwych, London, W.C.2.

DESCRIPTION: A white greasy ointment containing: Triamcinolone acetonide 0·1 per cent.; methylparaben 0·16 per cent.; propylparaben 0·04 per cent.; in a white soft paraffin and anhydrous wool fat base.

INDICATIONS: For the relief of pruritus vulvae and ani; atopic dermatitis and eczematous dermatitis; contact dermatitis; eczematized psoriasis; and seborrhœic dermatitis.

DOSAGE: To be applied in small quantities to the affected areas three or four times daily.

HOW SUPPLIED: In tubes of 5 gm. and 15 gm.

FIRST ISSUED: August 1959.

SUPPLY RESTRICTIONS: Therapeutic Substances Act.

REFERENCES: *Bull. Sch. Med. Univ. Maryland*, 1958. **43.** 54. *Amer. Med. A. Archiv. Derm.*, 1958. **78.** 643. *J. of Investig. Derm.*, 1958. 31(6). 297..

THE CHEMIST AND DRUGGIST Guide to New Medicaments, September 5, 1959

TERRA-CORTRIL spray

MANUFACTURER: Pfizer, Ltd., 137 Sandgate Road, Folkestone, Kent.

DESCRIPTION: An anti-inflammatory preparation presented as a solution containing Terramycin hydrochloride equivalent to 300 mgm. of Terramycin, and hydrocortisone alcohol 100 mgm. in a propellent which contains a wetting agent.

INDICATIONS: For the treatment of secondarily infected, inflamed skin conditions; and of particular value in the treatment of burns.

METHOD OF USE: After cleansing the affected area the spray is applied for ½–2 seconds from the container held 6–9 in. distant, care being taken to keep it away from the eyes. Application is made four times a day at first and the number of times reduced according to response.

HOW SUPPLIED: In aerosol spray container of 80 mils.

FIRST ISSUED: June 1959.

SUPPLY RESTRICTIONS: Therapeutic Substances Act.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, September 5, 1959

EFCORTELAN intrathecal

MANUFACTURER: Glaxo Laboratories, Ltd., Greenford, Middlesex.

DESCRIPTION: Ampoules, each containing 10 mgm. of hydrocortisone as hemisuccinate sodium.

INDICATIONS: Adjunctive therapy in the treatment of tuberculous meningitis.

DOSAGE: 10 mgm. per day intrathecally for the first few days. Then, according to the response, the intervals between injections may be increased.

HOW SUPPLIED: In box of six 2-mil ampoules.

NOTES: Should be stored in a cool place, away from light. Prepared injections should be protected from light and used immediately.

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ALPHOSYL

MANUFACTURER: Stafford-Miller, Ltd., 166 Great North Road, Hatfield, Herts, by arrangement with Reed & Carnrick, Jersey City, U.S.A.

DESCRIPTION: Lotion containing: Allantoin 2 per cent., refined coal tar extract 5 per cent. in a non-greasy and non-staining base (with the intention of combining allantoin's keratin dispersing action with the keratolytic and keratoplastic properties of the coal tar ingredient).

INDICATIONS: Topical therapy of psoriasis.

METHOD OF USE: To be rubbed well into the lesions two to four times daily. Heavy scaling or crusting is softened and removed by bathing.

HOW SUPPLIED: In bottle of 8 fl. oz.

REFERENCES: *Clin. Med.*, 1958. **4.** 485. *N.Y. Academy of Sciences*, May 9, 1958. *Ohio State Med. J.*, 1959. **55.** 6.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, September 5, 1959

RISTON

MANUFACTURER: Imperial Chemical Industries, Ltd., Pharmaceuticals division, Wilmslow, Cheshire.

DESCRIPTION: Ristocetin, white crystalline powder, for parenteral administration, containing two components ristocetin A and ristocetin B. Chemical characteristics not well defined; its molecular weight lies between 2500 and 4000.

INDICATIONS: The treatment of Gram-positive infections especially those serious infections caused by organisms which are resistant to the commonly used antibiotics, e.g. severe staphylococcal or enterococcal infections.

DOSAGE: Intravenous administration only. For most infections a total daily dosage of 25 mgm./kilo is adequate. For the average adult this usually represents 1–2 gm. per day. In severe infections due to relatively resistant strains 50 mgm/kilo or even 75 mgm./kilo per day may be used initially. The dose is administered by intravenous drip over 30–45 minutes or alternatively as twice or thrice daily injections of a 2½ per cent. solution (0·5 gm. dissolved in 20 mil). Each injection should occupy not less than 5 minutes.

HOW SUPPLIED: In vials each containing a quantity of sterile powder of equivalent activity to 500 mgm. of ristocetin A. Hospitals only.

FIRST ISSUED: January 1959.

NOTE: A 50-mgm. vial is available for sensitivity tests.

REFERENCES: *New and Non-official Remedies, J. Amer. med. Ass.*, 1958. **168.** 183. *Antibiotics Annual*, 1956-57, p. 699. *Ibid*, 1956-57, p. 706. *Ibid*, 1957-58, p. 187. *Ibid*, 1957-58, p. 180.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, September 5, 1959

HYPAQUE 85 per cent.

MANUFACTURER: Bayer Products, Ltd., Neville House, Eden Street, Kingston-on-Thames, Surrey.

DESCRIPTION: Hypaque 85 per cent. is an aqueous solution containing 28·33 per cent. w/v of the sodium salt, and 56·67 per cent. w/v of the N-methylglucamine salt of diacetamido-triiodo-benzoic acid (diatrizoic acid). It has been specially prepared for use in radiological investigations requiring a high concentration of contrast medium; each mil contains 0·44 gm. of iodine. At body temperature, a close solution, but at lower temperatures it may be in crystalline form. The crystals quickly dissolve when heated to 40 or 45°C.

INDICATIONS: Angiocardiography and pulmonary arteriography, portal venography, nephrotomography, aortography; other peripheral vascular techniques where dilution provides a more concentrated medium than the 45 per cent. solution also available.

DOSAGE: In general, 1–2 mil per kilo body-weight modified with respect to the region to be visualised. For opacification of the four cardiac chambers, pulmonary vessels and thoracic aorta; *Infants and small children:* 5–10 mils; *Adults:* 50 mils or more. Obese patients require slightly larger quantities to ensure good visualisation.

HOW SUPPLIED: In box of five 20-mil ampoules.

FIRST ISSUED: June 1959.

REFERENCES: *J. Amer. med. Ass.*, 1958. 168. **16.** *S. Afr. Med. J.*, 1957. **31.** 1072.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, September 5, 1959

PREDSOL suppositories

MANUFACTURER: Glaxo Laboratories, Ltd., Greenford, Middlesex.

DESCRIPTION: Suppositories, each containing 5 mgm. of prednisolone (as prednisolone disodium phosphate) in a base that ensures maximum surface spread.

INDICATIONS: Hæmorrhagic proctitis; post-radiation proctitis; minor degrees of proctitis, such as may occur in hæmorrhoids.

METHOD OF USE: One suppository is inserted at bedtime and after morning defæcation. Following a satisfactory response, treatment is continued for some months or until sigmoidoscopic or proctoscopic appearance is normal.

HOW SUPPLIED: In cartoned plastic mould of six suppositories.

NOTES: Should be stored in a cool place.

REFERENCES: *Brit. med. J.*, 1959. **1.** 955.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, September 5, 1959

DELTA-BUTAZOLIDIN

MANUFACTURER: Geigy Pharmaceutical Co., Ltd., Roundthorn Estate, Wythenshawe, Manchester, 23.

DESCRIPTION: A low dosage combined anti-rheumatic preparation containing phenylbutazone 50 mgm.; prednisone 1·25 mgm.

INDICATIONS: Rheumatoid arthritis, osteo-arthritis; ankylosing spondylitis; muscular rheumatism; painful shoulder syndrome; bursitis; tendinitis; neuritis.

DOSAGE: Initially 2 tablets three or four times a day; maintenance 3–4 tablets daily.

HOW SUPPLIED: In containers of thirty, 150 and 500 tablets.

FIRST ISSUED: June 1959.

SUPPLY RESTRICTIONS: P.I, S.1, S.4.

REFERENCES: *J. Irish med. Ass.*, 1959. **44.** 114.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, September 5, 1959

HOSTACAIN "SPECIAL"

MANUFACTURER: Hoechst Pharmaceuticals, Ltd., Slough.

DISTRIBUTORS: Horlicks Ltd., Slough, Bucks.

DESCRIPTION: Dental cartridges containing 1·8 mil of local dental anæsthetic, each mil of which contains: Hostacain phosphate (ω-N-butylaminoacetic acid-2-methyl-6-chloranilide phosphate) 0·02 gm.; procaine phosphate (p-aminobenzoyl-diethyl-aminoethanol phosphate) 0·01 gm.; adrenaline (1-o-dioxyphenylethanolmethylamine) 0·00002 gm.; p-oxybenzoic acid methyl ester 0·001 gm.; in pyrogen-free distilled water.

INDICATIONS: Local dental anæsthetic for use in conservative and surgical operations.

DOSAGE: Infiltration anæsthesia 0·3–1·0 mil; block anæsthesia 1·5–1·8 mil.

HOW SUPPLIED: In jar of fifty cartridges, sealed in nitrogen.

SUPPLY RESTRICTIONS: P.I, S.1.

NOTE: Store in a cool place away from direct light.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, September 5, 1959

VIOMYCIN P

MANUFACTURER: Distillers Co. (Biochemicals), Ltd., Broadway House, The Broadway, Wimbledon, London, S.W.19.

DESCRIPTION: A tuberculostatic antibiotic presented in powder form, for eventual solution, and containing: Viomycin sulphate 0·5 gm.; viomycin pantothenate 0·5 gm.; edetic acid (stabiliser) 0·1 per cent.

INDICATIONS: Tuberculosis. Viomycin P is usually used in conjunction with isoniazid or aminosalicylates where streptomycin is inadmissible.

DOSAGE: The usual dosage of Viomycin P is 2 gm. in divided doses every third day, given slowly by deep intramuscular injection. The site should be changed for each injection, and the concentration of viomycin should not exceed 0·5 gm. per mil of sterile water or saline.

HOW SUPPLIED: In box of five 1-gm. vials.

FIRST ISSUED: May 1959.

SUPPLY RESTRICTIONS: Therapeutic Substances Act.

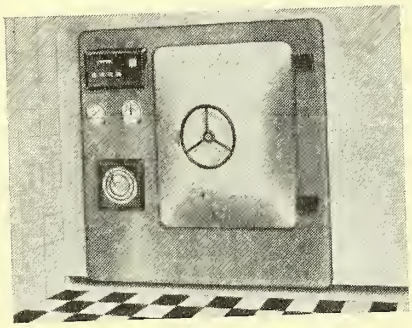
NOTE: Viomycin P will retain its potency for 3 years if stored below 20°C.

HOSPITAL EQUIPMENT

What manufacturers are offering

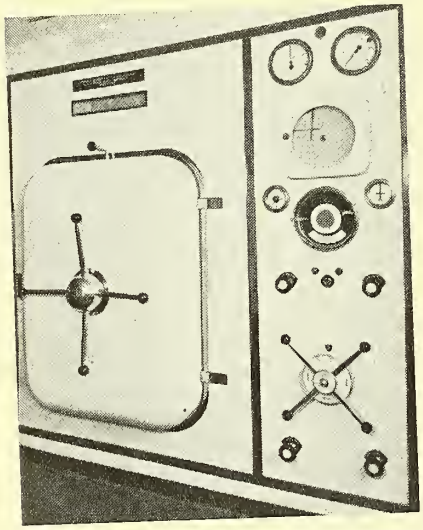
APPARATUS and equipment currently available for hospital pharmaceutical and related departments includes the following:—

ALLEN & HANBURYS, LTD., surgical division, Bethnal Green, London, E.2, offer a new range of sterilisers, developed from those used in the sterilisation of preparations prepared in pharmaceutical manufacture and providing



for a vacuum of the order of 0·8 in. of mercury (absolute). That level they have found necessary in the sterilising chamber prior to the admission of steam to ensure steam penetration of dressings and elimination of surface air film on instruments, gloves and containers.

MANLOVE ALLIOTT & CO., LTD., Bloomsgrove Works, Nottingham, also



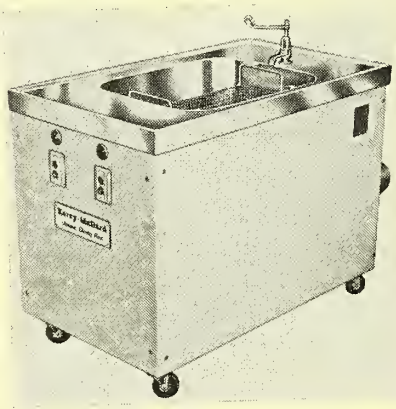
offer sterilisers, including steam/vacuum type models with fully or semi-automatic controls.

A new needle-rack cleansing machine by ADELPHI MANUFACTURING CO., LTD., 20 Duncan Terrace, London, N.1, is capable of accepting Record, Luer or Luer-Lock mounts. It submits each to five-second treatments each with detergent, water and air. Its estimated output is 600-1,000 needles per hour. A new ampoule, vial and bottle-filling machine made by the company has a bench-fixed, chromium-plated stand, upon which a syringe barrel with adjustable volume plunger and delivery needle is mounted. The Chemix mixing-machine range includes the major mark II variable-speed laboratory machine for mixing up to 10 gall. of viscous material at a time. A laboratory mixer with 1/60 horse-power motor is also available.

Medical-gas pipelines are installed by BRITISH OXYGEN GASES, LTD., medical division, Great West Road, Brentford, Middlesex, in hospitals, as recently installed at the 169-bed accident centre at Middlesbrough general hospital. In the installation there are seventy-one "on-tap" wall fittings in wards and operating theatres, allowing oxygen or nitrous oxide to be drawn at will.

FRANZ MFG. CO., INC., U.S.A. (supplying through established channels) offer the Franz hypodermic needle sharpener in motor or hand models. A gearing system presents the needle point correctly to a honing wheel.

KERRY'S (ULTRASONICS), LTD., Warton Road, London, E.15, market the



USC range of ultrasonic cleaning equipment.

DENT & HELLYER, LTD., 4 Golden Square, London, W.1, are makers of the Protector range of vacuum sterilisers and of electrically heated steriliser suites, push-button controlled and arranged at bench height.

DRAYTON REGULATOR AND INSTRUMENT CO., LTD., West Drayton, Middlesex, and EDWARDS HIGH VACUUM, LTD., Manor Royal, Crawley, Sussex, jointly devised the Drayton-Edwards automatic vacuum steriliser units, which permit the conversion of existing autoclaves to vacuum sterilisation.

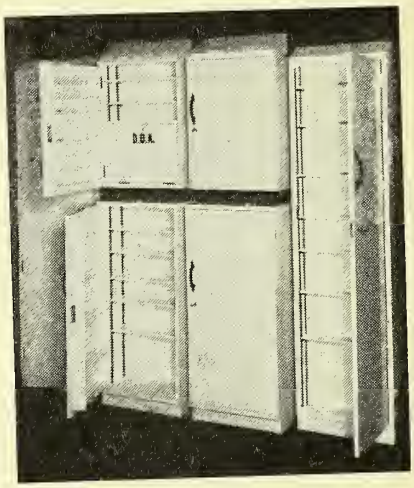
THE ELECTRONIC MACHINE CO., 41 Lodge Road, West Croydon, Surrey, operate a radiation monitoring service by which personnel liable to become exposed to radiation from radiochemicals or *x*-rays receive a numbered monitored film-holder, complete with film for development and renewal at weekly intervals. The service enables weekly and accumulative exposures to be assessed.

BALDWIN INSTRUMENT CO., LTD., Brooklands Works, Dartford, Kent, recently launched an ionisation meter: the Ionex mark 3.

GREY & MARTEN, LTD., City Lead Works, London, S.E.1 (supplying through a subsidiary, JAMES GIRDLER & CO., LTD., Mansell Road, London, W.3) are makers of lead containers, apparatus for transport of radioactive material, bricks and bench equipment.

SILVERSON MACHINES (SALES), LTD., 56 Burchell Road, London, S.E.15, make a multi-purpose machine capable of mixing, emulsifying, straining and pumping according to choice of interchangeable heads.

CUXSON, GERRARD & CO., LTD., Fountain Lane, Oldbury, Birmingham, are makers of units for ward storage of



medicines, including a poison cupboard within which is a further locked compartment for D.D.A. items.

AMERICAN HOSPITAL SUPPLY CORPORATION, Evanston, Illinois, U.S.A., make PVC vascular grafts, said to have advantages over homografts in the replacement of damaged arteries in man.

WILLS

MR. G. I. AKEROYD, M.P.S., 12 The Paragon, Wannock Lane, Willingdon, Sussex, left £13,366 (£9,775 net).

MR. G. W. ALLEN THOMPSON, M.P.S., 17 Nutley Drive, Goring-by-Sea, Worthing, left £14,920 (£14,836 net).

MR. W. F. CROFT, M.P.S., Holmfield, Tibshelf, Derbys, left £22,123 (£22,072 net).

MR. E. S. FRANKLIN, M.P.S., 8 Robinson Road, Gloucester, left £6,720 (£6,629 net).

MR. J. D. HARRISON, 11 Queens Gardens, Hornsea, Yorks, left £16,185 (£15,941 net).

MR. R. HOLT, M.P.S., 13 Moorgate Avenue, Bamford, Rochdale, Lancs, left £3,804 (£3,667 net).

MR. W. H. LENTON, F.P.S., 6 Bailgate, Lincoln, left £1,238 (£1,197 net).

MR. F. LEONARD, M.P.S., 21 Dudley Street, Grimsby, left £2,618 (£2,485 net).

MR. C. E. LUXTON, M.P.S., 4 South Place, Kingsbridge, Devon, left £2,705 (£1,705 net).

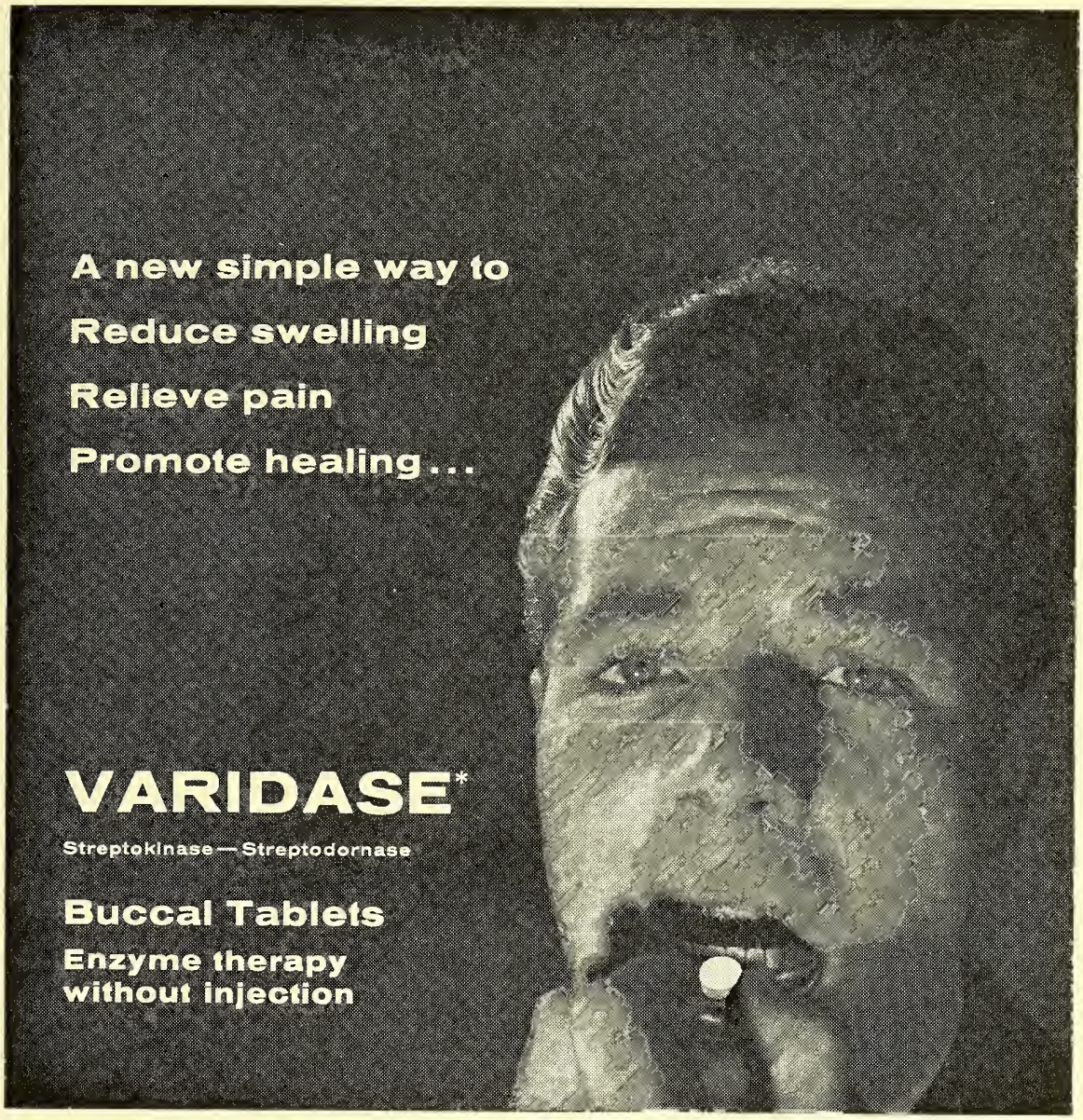
MR. H. J. PLASKETT, M.P.S., 614 Pershore Road, Selly Park, Birmingham, left £4,179 (£1,723 net).

MR. A. F. ROBERTSON, M.P.S., Rose Cottage, Priors Path, Crossgate Moor, co. Durham, left £42,342 (£37,391 net).

MR. W. A. SEARLE, M.P.S., 10 Langhill Road, Mutley, Plymouth, left £6,644 (£5,648 net).

MR. T. STACK, M.P.S.I., Bridge Street, Westport, co. Mayo, left £6,694.

MR. A. W. STEVENSON, M.P.S.N.I., 51 Osborne Gardens, Belfast, left £7,030.



VARIDASE Buccal Tablets are absorbed rapidly through the buccal mucosa. Indications include thrombophlebitis, cellulitis, abscesses and similar skin infections, sprains and fractures, and inflammatory conditions where pain and swelling are evident.

Mint flavoured tablets containing 10,000 units of streptokinase and at least 2,500 units of streptodornase. Packing and basic N.H.S. cost 12 Tablets £1-1-8.

*REGD. TRADEMARK

Lederle

LEDERLE LABORATORIES
a division of
CYANAMID OF GREAT BRITAIN LTD London W.C.2

CYANAMID

CASH IN ON THE NEWS!

~~3/6~~ NOW 3/- a 100

Private Chemists can now offer for the first time Cupal Halibut Liver Oil Capsules in a beautiful all metal aluminium container—a Cupal "first".
You can purchase this pack direct (by post or 'phone) or through our Representatives.

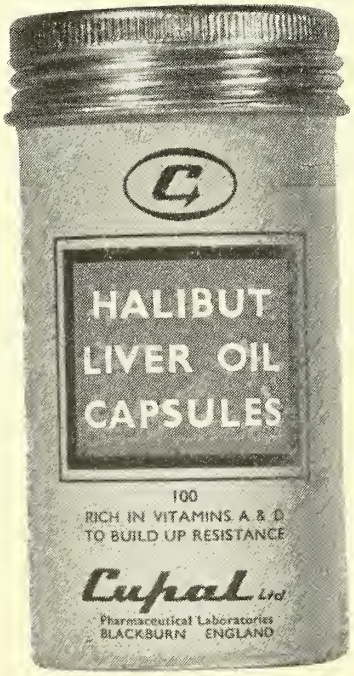
Our Survey amongst 1,000 Retail Chemists concludes "This is the outstanding pack on the market for Halibut Liver Oil Capsules. This pack rightly takes a place in the established Cupal range along with Reguletts, Tyrocane, 10 HOUR Cold and Flu Capsules, Nazex."

As usual our trade terms and display ideas help you to make large Profit Margins.
Do not miss this opportunity.

Cupal products are sold all over the world. Further export enquiries are invited.

Cupal Ltd

Pharmaceutical Laboratories, BLACKBURN, ENGLAND
Telephone : 7714



★

attractive gay colours and display material with every order

★ *Ultra modern yellow enamel with tangerine orange; sparkling jet black and natural polished aluminium*

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, SEPTEMBER 2: In their first price movement for eighteen months, MERCURY DERIVATIVES were lower by one shilling or so per kilo, depending on the salt. ZINC OXIDE failed to maintain the high level of the previous week and schedules for B.P. material were £2 per ton lower.

Among CRUDE DRUGS a scarcity has again arisen in IPECACUANHA, primary shippers in Brazil no longer offering supplies. CAPE ALOES is gradually becoming firmer the rise on the week being 5s. per cwt. in both positions. NUX VOMICA was offered for shipment at a remarkably high figure but there were no reports of business being done at that level. The principal buyers of Ceylon CINNAMON in the United Kingdom have informed exporters in Ceylon that irregular supplies due to strikes and delays in Colombo port and a decline in quality were gradually undermining the Ceylon market in London. Already Ceylon's exports to the United Kingdom and Europe have dropped by 30 per cent. since January. The Seychelles is now providing effective competition for the bark.

Higher per lb. among ESSENTIAL OILS were VETIVERT which rose from 82s. 6d. to 100s.; LEMONGRASS (up threepence), Madagascar CLOVE LEAF (up sixpence), Chinese SPEARMINT (2s.), and CASSIA (sixpence). SANDALWOOD is now being offered with the rather unusual position of Mysore being quoted lower than the East Indian.

Pharmaceutical Chemicals

ACETIC ACID. — B.P. glacial in 10-ton lots is £112 per ton naked and technical (80 per cent.) £97. Carboys are £8 and demijohns, £10 per ton extra. Single carboys cost 1s. 8d. per lb. (3s. 8d. per kilo).

ALOIN. — Spot offers (14-lb. lots) are 31s. 6d. per lb.

p-AMINOSALICYLIC ACID. — The SODIUM SALT is about 20s. per kilo for 1,000-kilo lots.

AMMONIUM BICARBONATE. — The B.P. powder is £50 5s. per ton; CARBONATE is £81 10s. for lump and £85 10s. for powder, all delivered terms.

AMPHETAMINE.—One to 10-kilo lots are: BASE, from 140s. to 160s. as to quantity; SULPHATE is 110s. to 130s. and *d*-AMPHETAMINE SULPHATE, 405s. to 420s. for similar quantities.

AMYLOBARBITONE. — B.P.C. is 77s. 6d. per kilo for minimum 25-kilo lots and SODIUM, B.P.C., 87s. 6d. per kilo.

BARBITONE.—Rate for less than 50-kilo lots is 53s. 6d. per kilo. The SODIUM derivative is 56s. 9d. per kilo.

BENZYL BENZOATE.—One-ton lots of B.P. grade are at 4s. 6d. per lb.

BROMIDES. — Prices per lb. are as follows:—

	1 cwt.	5 cwt.
	s. d.	s. d.
POTASSIUM	2 6	2 5
SODIUM	2 6	2 5
AMMONIUM	2 10	2 8½

The prices quoted are for crystals (powder is 1½d. per lb. more) packages free, carriage paid terms. The kilo rates for 50-kilo lots are 5s. 6d. for potassium and sodium and 6s. 3d. for ammonium.

BRUCINE. — ALKALOID and SULPHATE in 100-oz. lots is now 7s. 3d. per oz.

BUTOBARBITONE. — B.P.C. is 82s. 6d. per kilo in minimum 25-kilo lots.

COCAINE.—For 16-oz. lots the price of the HYDROCHLORIDE is 91s. 6d. per oz. and ALKALOID, 101s. Subject to D.D.A. Regulations.

CREOSOTE.—B.P. quality, ex beechwood, is from 6s. 9d. to 7s. 6d. per lb.

CRESOL.—Price of B.P. quality from distillers is 7s. 9d. per gall. in 5-gall. lots.

CYCLOBARBITONE. — Less than 25 kilos: B.P.C., 73s. per kilo. CALCIUM 85s.

DICOPHANE (DDT).—Prices are as follows:—1-cwt. lots 3s. 2d. per lb.; 5-cwt. 3s. 0½d.; 1-ton, 2s. 11d.

ETHER.—Per lb. in winchesters:—TECHNICAL B.S.S., and SOLVENT, 5-cwt. 2s. 7d.; (4s. 1½d. litre). In drums the price is 2s. 2d. per lb. ANÆSTHETIC, B.P., 5-cwt., 3s. 10d.; 10-cwt., 3s. 9d.

HEXOBARBITONE. — In 25-kilo lots or over the price is 115s. per kilo.

HYDROCYANIC ACID. — Dilute B.P.C. is from 3s. 2d. to 4s. per litre, as to quantity; Scheeles is from 3s. 10d. to 4s. 9d.

METHOIN.—B.P. is about 120s. per lb.

METHADONE HYDROCHLORIDE. — Price is from 2s. to 2s. 6d. per gm. as to quantity. Subject to D.D.A. Regulations.

MERCURY DERIVATIVES.—Quotations (per kilo) for less than 50-kilo lots are now as follows:—AMMONIATED, B.P., lump or powder, 57s. 9d.; PERCHLORIDE, B.P., powder, 49s. 6d. and lump, 50s. 9d.; SUBCHLORIDE (calomel), B.P., 56s. 9d., OXIDES, yellow, B.P., 60s.; red B.P.C., 1949, 61s. 3d.

METHYL PHENOBARBITONE.—B.P. is 95s. per kilo for less than 25-kilo lots.

OPIATES.—Home trade prices (per oz.) subject to D.D.A. Regulations:—

	35 oz. and over	Under 35 oz.
	s. d.	s. d.
CODEINE		
PHOSPHATE	41 0	42 0
HYDROCHLORIDE ..	47 3	48 3
SULPHATE	47 3	48 3
ALKALOID	54 0	55 0
MORPHINE		
ACETATE	50 0	51 0
HYDROCHLORIDE ..	50 0	51 0
SULPHATE	50 0	51 0
TARTRATE	60 0	61 0
ALKALOID	61 3	62 3
ETHYLMORPHINE		
HYDROCHLORIDE ..	54 0	55 0
ALKALOID	63 3	64 3
DIAMORPHINE		
HYDROCHLORIDE ..	54 9	55 9
ALKALOID	59 9	60 9

PARAFFINS. — Prices to wholesale distributors are:—*Liquid:* HEAVY, B.P., £107 17s. 6d. per ton; LIGHT, B.P., £87 15s.; *Technical White oils*, £79 5s. for the LIGHT and £92 15s. for the MEDIUM. All in 40–50 gall. returnable loaned drums, delivered U.K. *Soft:* WHITE, medium consistency is now £110 15s. per ton. YELLOW, £88 10s., all B.P., in non-returnable drums delivered.

PENTOBARBITONE.—Minimum 25-kilo lots are 115s. per kilo and SODIUM, 120s.

PHENOBARBITONE. — Under 50-kilo lots are 45s. per kilo; the SODIUM salt is unchanged at 55s. 6d.

PHENOLPHTHALEIN.—Rate for 1-cwt. lots is 9s. per lb.

PHENYTOIN SODIUM.—B.P. is 23s. per lb. in 1-cwt. lots or 25s. less than 56 lb.

PHOSPHORIC ACIDS.—B.P. (s.g. 1·750) is quoted at 1s. 4d. per lb. in 10-carboy lots. 1–2 carboys, 1s. 8d. per lb. B.P. 1914 is quoted from 1s. 2d. to 1s. 6d. per lb. HYPOPHOSPHORUS, B.P.C., in winchesters is from 7s. 5d. to 8s. 6d. per lb., as to quantity.

PILOCARPINE.—In 2-kilo lots prices are: HYDROCHLORIDE, 1,013s. per kilo; NITRATE, 825s.

STRYCHNINE.—Per oz.; ALKALOID, crystals, 7s. 6d. HYDROCHLORIDE, 7s. 6d.; SULPHATE, 6s. 6d.; all for 1,000-oz. lots in free containers.

SULPHACETAMIDE. — Quotations (per lb.) for 1-cwt. lots are 24s. 6d. The SODIUM derivative is 30s.

SULPHAGUANIDINE.—Manufacturers' rates for 1-cwt. lots are about 11s. per lb.

SULPHANILAMIDE. — Manufacturers' rates for 1-cwt. lots are 6s. per lb.

ZINC OXIDE.—Lower. B.P. quality is now: In 2-ton lots £114 per ton; 1 ton, £115 per ton; 10 cwt., £117.

Industrial Chemicals

ACETALDEHYDE. — The 100 per cent. is £155 per ton.

ACETATES. — Prices (per cwt.) for drum lots are as follows:—AMYL (technical), 255s., and B.S.S., 257s. BUTYL, 179s.; ETHYL, 151s.; ISOPROPYL, 147s.

ACETIC ANHYDRIDE. — 10-ton lots are quoted at £126 per ton, delivered U.K. in returnable drums; 1-ton lots, £128.

ACETONE. — One-ton lots are quoted at £90 per ton.

BENZOLE. — Thiophene-free is from 9s. 3½d. per gall. for one 50-gall. barrel and pure, 6s. 3½d. per gall for similar lots.

N-BUTYL ALCOHOL. — 1-ton to 5-ton lots are quoted at £159 per ton and one-drum lots are £163 per ton. Secondary is £130.

CARBON TETRACHLORIDE, B.P.—1–2-carboy lots are £135 per ton. TECHNICAL, in 40-gall. drums, in less than 1-ton lots is £84; 1 ton and under 2 tons £81; 2 tons and under 4 tons, £80 10s.; 4 tons and upwards, £79 10s.

ISOPROPYL ALCOHOL. — Technical grade (99 per cent.) 5s. 0½d. per gall. for 10,000-gall. lots; anhydrous in drum lots is £108 per ton.

METHYL ETHYL KETONE.—One-ton lots in drums are quoted at £145 per ton.

METHYL ISOBUTYL KETONE. — One-ton lots (in one delivery) are now £165 per ton.

NAPHTHALENE. — Home market prices (per ton for 4-ton lots at one time) are as follows:—CRUDE, crystallising point 64–71·9° C., £22 5s. to £23; WHIZZED, c.p. 72–77·5°C., £27 5s. to £35 15s. according to the crystallising point, ex works; PHTHALIC grade, minimum c.p. 77·5° C., £42 10s. ex maker's works; CRYSTALS from £62 10s. to £65, delivered; BALL AND FLAKE, £71 to £73 10s. delivered.

PHTHALATES.—Prices (per ton) for drum lots are as follows:—DIBUTYL, £216; DI-ISOBUTYL, £202; DIETHYL, £193 10s.; DI-METHYL, £185.

STEARATES. — Spot prices for minimum 1-ton lots are now as follows:—ALUMINIUM (all grades), 258s. 6d. per cwt., CALCIUM (precipitated), 248s. 6d.; LEAD (30 per cent.), 228s. 6d.; MAGNESIUM (standard), 261s. and (superfine), 307s.; ZINC, 261s. to 291s. as to grade.

TITANIUM DIOXIDE.—In 5-ton spot lots anatase from £162 5s. per ton; rutile, £178 5s. for surface-coated and £170 for non-surface-coated.

Crude Drugs

AGAR.—Kobe No. 1 is 11s. 6d. per lb., in bond, and for shipment, 10s. 10d., c.i.f.

ALOES.—Cape price on the spot is 180s. per cwt. and for shipment, 165s., c.i.f. Curaçao, 500s., spot.

BALSAMS. — Quotations per lb. are:—CANADA: Spot, 22s. COPAIBA: Para from 7s. 6d. duty paid. PERU: Spot, 10s. in bond. TOLU (genuine as imported): 17s., spot and B.P., 14s. 3d. spot.

BELLADONNA.—Herb is 8s. 3d. per lb. on the spot. Root is 1s. 6d. spot; shipment, 1s. 3d., c.i.f.

CAMPHOR.—B.P. powder is 36s. per lb. in bond.

CASCARA. — Shipment, 275s., per cwt., c.i.f.; spot 285s.

CHERRY BARK.—Thin natural is 1s. 5d. per lb., and rossed is 1s. 11d.

CHILLIES. — Spot Mombasa, 230s. per cwt., shipment, 185s., c.i.f.

CINNAMON.—Ceylon for September (c.i.f.) per lb.; OOOO, 5s. 8¼d.; OOO, 5s. 6¼d.; OO, 5s. 4¼d.; seconds, 4s. 2¾d.; featherings, 2s. 0½d.; quillings, 3s. 7d.; chips, 1s. 3½d.

CLOVES. — Zanzibar on the spot are 2s. 11d. per lb.; shipment, 2s. 7d., c.i.f.

COCHINEAL.—Silver-grey Peruvian on the spot from 5s. 3d. to 6s. as to quantity; Canary Isles black brilliant, about 16s. 9d.; silver-grey, 15s., spot.

COCILLANA.—Bark is 1s. 8d. per lb. on the spot.

COLOCYNTH PULP.—Spot, 2s. 9d. per lb.

DIGITALIS LEAF.—Purpurea from 1s. 2½d. to 2s. 7d. per lb., c.i.f.

ELEMI. — Spot from 1s. 10½d. per lb. shipment, 1s. 7d., c.i.f.

GENTIAN. — Spot: French, 160s. per cwt.; Jugo-Slavian, 152s. 6d.

HENNA.—Indian on the spot is now 95s. per cwt., ex wharf.

HONEY. — Australian light amber is 102s. 6d. to 105s. and medium amber 95s. to 97s. 6d. Argentine. 100s. to 105s.; Jamaican, 115s. to 120s.; New Zealand clover, 170s., nominal; all per cwt. on the spot.

HYDRASTIS.—Spot, 23s. per lb.

IPECACUANHA. — Shipment (c.i.f.); Nicaraguan, 69s. per lb.; Costa Rican, 68s. 6d. Spot Matto Grosso, 55s.

KARAYA. — No. 1 gum on the spot is quoted at 260s. per cwt. nominal, No. 2 at 230s., nominal.

KOLA NUTS. — Jamaican spot market cleared, shipment, 7d. per lb., c.i.f. African, 5d. to 5¼d. spot and 4d., c.i.f.

LANOLIN. — ANHYDROUS, B.P., is from 170s. to 175s. per cwt. in 1-ton lots and HYDROUS, B.P., 150s., free drums, delivered.

LIQUORICE.—Natural root: Persian on the spot is 50s.; Anatolian, 60s. and Russian, 66s. per cwt. Block juice: Anatolian and Chinese, 190s. per cwt.; Italian stick from 310s. to 476s. per cwt.

LOBELIA HERB.—Spot offers of American are 3s. 9d. per lb. and for shipment 3s. 6d., c.i.f. Dutch 3s. 1d., c.i.f. for shipment; spot 3s. 5d.

MACE.—Whole pale blade 23s. 6d. per lb. on the spot.

MENTHOL.—Chinese spot, 68s. 6d., duty paid. Afloat, 52s. 6d., c.i.f. September–October shipment, 51s. 6d. per lb., c.i.f. Brazilian, 40s. in bond.

NUTMEGS.—West Indian 80's 17s. per lb., spot; sound unassorted, 10s. 6d.; defectives, 8s. 6d.

NUX VOMICA. — Scarce. Shipment, 125s., per cwt., c.i.f., quoted.

ORANGE PEEL. — Spot: Sweet ribbon, 2s. per lb.; bitter quarters: West Indian, 1s.; Spanish, 1s. 7d.

ORRIS ROOT. — Florentine is 345s. per cwt.

PAPAIN.—East African, 17s. 6d. per lb., c.i.f., for grade one, spot, 20s. Belgian Congo, 17s., c.i.f. and Ceylon No. 1 white, 16s., c.i.f.

PEPPER.—Firm. White Sarawak on spot has been sold up to 3s. 2d. per lb.; September–October shipment is 3s. 1d., c.i.f. Black Sarawak on spot is 2s. per lb. with shipment at the same level. Black Malabar is 250s. per cwt. nominal, spot and 237s. 6d., c.i.f., quoted for September–October shipment.

PIMENTO.—Spot value is 550s. to 560s. per cwt.

PEPPERMINT LEAVES.—Dutch, 2s. 2d. to 2s. 10d. per lb., c.i.f.

PODOPHYLLUM.—*Emodi* is 200s. per cwt., spot, and 195s., c.i.f.

PYRETHRUM.—Extract, minimum 25 per cent. w/w pyrethrins, is 75s. per lb. for small lots.

QUASSIA.—Spot offers are 55s. per cwt., ex wharf.

QUILLAIA.—Spot offers of whole bark at 125s. per cwt.; cut, 160s. Whole for shipment, 90s., c.i.f.

RAUWOLFIA.—*Canescens*, 3s. 6d. per lb., c.i.f.; *Vomitoria*, 2s. 3d., c.i.f.; *Serpentina*, 6s., c.i.f. asked.

RHUBARB. — Chinese small rounds 6s. 4½d. to 6s. 9d. on the spot.

SAFFRON. — Spanish is quoted at 200s. per lb.

SARSAPARILLA.—Jamaican native red on the spot is 2s. 6d. per lb. Shipment, 2s. 4d., c.i.f.

SEEDS. — (Per cwt.). ANISE.—Spanish 167s. 6d.; Turkish, 145s., both duty paid. CARAWAY. — Dutch offering at 117s. 6d., duty paid. CELERY.—Indian on spot quoted at 150s. The shipment price is now 120s., c.i.f. CORIANDER. — Are quiet; Moroccan on spot are 47s. 6d., duty paid; shipment is firmer at 43s. 6d., c.i.f. CUMIN.—Continues firm. Iranian, 270s., duty paid and 250s. in bond. The shipment price is 220s., c.i.f. DILL.—Indian is unchanged at 80s., spot; for shipment, 67s. 6d., c.i.f. paid. FENNEL.—Chinese, 130s., duty paid. FENUGREEK. — Moroccan is easier at 42s. 6d., duty paid. MUSTARD.—English, 75s. to 110s., according to quality.

SENEGA.—Spot is nominally 20s. per lb.; shipment, not offering.

SENNA. — *Tinnevelly* LEAVES, prime No. 1,, 1s. 5d. per lb., f.a.q.; No. 3, 10d. PODS: Manufacturing (f.a.q.), 1s. 3½d. and hand-picked, 1s. 9d. to 2s. 2d. *Alexandria* pods: Manufacturing, offered from 1s. 6d. with hand-picked from 4s. to 6s. 6d.

STRAMONIUM. — Indian LEAVES 60s. per cwt., spot. Dutch 0·5 per cent. alkaloid, 94s., c.i.f.

STYRAX. — Spot, 26s. 6d. per lb. shipment, 24s., c.i.f.

TONQUIN BEANS.—Para on the spot are offered at 8s. 3d. per lb. Angostura, 11s.

TRAGACANTH. — No. 1 ribbon is £115 per cwt. No. 2, £105.

TURMERIC. — Madras finger on spot is 102s. 6d. per cwt. for old crop. Shipment of current crop is firm at 95s., c.i.f.

VALERIAN ROOT. — Spot: Indian (with rootlets) is 130s. and Belgian, 175s. to 195s. per cwt. Dutch (max. 2½ per cent. sand) for prompt shipment, 159s., c.i.f.

VANILLIN. — Rates (per lb.) are now:—5-cwt. lots, 23s. 3d.; 1 cwt. 23s. 6d.; 56-lb., 23s. 9d.; smaller quantities, 24s.

WAXES. — (Per cwt.). BEES'.—Dar-es-Salaam, spot. 475s.; shipment, 465s., c.i.f. Abyssinian, spot 410s. in bond; shipment, 404s. c.i.f. Benguela, shipment, 405s., c.i.f. CANDELILLA.—Spot 450s. CARNAUBA.—Fatty grey spot, 580s.; for shipment, 565s., c.i.f. Prime yellow, spot, 900s.; shipment, 870s., c.i.f.

Essential and Expressed Oils

ALMOND. — Moroccan, 6s. 6d. per lb., duty paid.

ANISE.—Chinese, 8s. 1½d. per lb., spot; shipment, 7s. 11d., c.i.f.

CASSIA.—Spot is 13s. 9d. per lb.; shipment, 13s. 5d., c.i.f.

CASTOR.—Home-produced B.P. oil on the spot—September, is £135 per ton naked ex mill (2-ton lots).

CINNAMON. — From quillings, best English-distilled is 50s. per oz.; other B.P. oils from 165s. per lb. Ceylon leaf, spot, 9s. 9d. per lb.; rectified, 15s. per lb.; Seychelles, 8s. 6d., spot.

CITRONELLA.—Ceylon, spot is cleared: shipment, nominally 6s. per lb., c.i.f. Formosan, spot 5s. 6d. in bond, shipment 5s. 3d., c.i.f.

CLOVE.—Madagascar leaf, spot, 9s. per lb.; shipment, 8s. 9d., c.i.f. Rectified 87–88 per cent., 8s. 6d. Distilled bud oil, English, B.P., 30s. to 31s.

EUCALYPTUS. — Australian 70 to 75 per cent. eucalyptol on the spot is 4s. 9d. per lb. 80–85 per cent., 5s. 6d. Spanish (70–75), 4s. spot. Chinese 3s. 6d. to 3s. 9d.

GINGER.—English-distilled oil is 160s. per lb. Imported: Jamaican, 130s.; Chinese, 72s. 6d., duty paid.

GRAPEFRUIT. — Jamaican, 15s. per lb. spot. Florida, 14s. 6d. spot.

JUNIPER. — B.P.C. 1949 oil is from 12s. 6d. per lb. on the spot. English-distilled, 180s. JUNIPER WOOD, from 5s.

LEMON.—B.P. grades from 16s. to 26s. per lb. on the spot. Californian for shipment, 25s. to 28s. 6d., c.i.f. Terpeneless, 500s. per lb.

LEMONGRASS.—Spot 8s. 3d. per lb., and shipment, 8s. 3d., c.i.f.

ORANGE.—Spot quotations of sweet oil include Floridan at 6s. 6d. per lb.; Californian, 10s.; West Indian, 7s.; West African, 14s.; Israeli, 12s. 6d. For prompt shipment, Terpeneless is 200s. per lb., spot.

PATCHOULI.—Penang is 35s., duty paid and 30s., c.i.f., per lb.

PEPPERMINT.—*Arvensis:* Chinese is 27s. per lb., spot nominal: September–October shipment 23s. 6d., c.i.f. Brazilian 11s. to 11s. 6d. both spot and shipment. *Piperita:* Italian "Mitcham-type" from 42s. 6d. to 48s. 6d.; American, 27s. 6d. to 30s., as to origin.

PIMENTO. — English-distilled berry is 167s. 6d. per lb.; imported, 77s. 6d. Rectified leaf, 27s. 6d. per lb. for small lots.

SAGE.—Spanish is 10s. per lb.

SANDALWOOD.—Mysore spot 87s. 6d. to 89s. per lb. East Indian, 89s. to 92s. per lb.

SASSAFRAS.—Brazilian is from 3s. 6d. per lb., duty paid.

SPEARMINT.—Offers of U.S.P. grade are from 37s. 6d. per lb., spot. Chinese 32s., in bond.

VETIVERT.—Spot is currently at about 100s. per lb.

TANGERINE.—Hand-pressed is 55s. per lb. and machine-pressed, 42s. 6d.; others 26s. to 28s. on the spot.

YLANG YLANG.—Spot is from 32s. 6d. to 46s. per lb. as to grade.

UNITED STATES REPORT

NEW YORK, SEPTEMBER 1: Interest is being displayed in drugs and fine chemicals for the winter season, including such items as QUINIDINE SULPHATE and the ANTIHISTAMINES. CRUDE DRUGS were relatively quiet. ESSENTIAL OILS showed no price shifts of importance although CITRONELLA OIL was reportedly firm in tone.

NOTES ON NEW MEDICAMENTS

ALPHOSYL.—*Constituents:* Allantoin and a refined coal-tar extract in a lotion base. The use of allantoin in dermatology can be traced to the observation during World War I that severe wounds that had become infested with maggots healed rapidly. In 1935 it was shown that that stimulant effect was due to the allantoin present in the excreta of the maggots. It is employed, with other substances, in the treatment of a wide variety of skin conditions. Alphosyl, a product of the type, is a formulation for the treatment of psoriasis. Other refined tar preparations include E.S.T.P., Pragmatar, Tarquinor, Pixcyl and Psorax. Masse cream contains allantoin and 9-aminoacridine in an emollient base for cracked nipples.

COOMASSIE BLUE.—*Chemistry:* Sodium anilino hydroxyazonaphthalene sulphonate. Used to determine the type and position of cardiac shunts, and in the measurement of cardiac output. Following injection, it is retained for a time entirely in the vascular system, and is later broken down in the liver. Other drugs that have been employed for the purpose tend to diffuse into the tissues too quickly for accurate deterinations to be made. Coomassie blue does not stain the skin, so that any cyanosis that may arise may be detected at once, and is not masked by the dye. The concentrations of the dye in both blood and plasma can be determined quickly and accurately and in samples free from haemolysis direct photometric assay is possible. Other substances that have been used for blood volume and similar determinations include Evans blue (Azovan blue), congo red, and vital red.

EXTRINEMIN. — *Constituents:* Ferrous sulphate, liver extract, vitamins and glucose. A liquid presentation of a soluble iron salt of high therapeutic activity, with ascorbic acid and factors of the vitamin-B complex concerned with haemoglobin formation. Other liquid preparations containing various iron salts, usually with supplementary factors, include Cerevon elixir, Colliron, Epitone, Ferbelan, Ferlucon elixir, Ferri-Betalin, Ferromyn elixir, Hyotole, Neoferrum, Sytron and Folvron.

DELTA-BUTAZOLIDIN. — *Constituents:* Phenylbutazone and prednisone. A combination of an anti-rheumatic and analgesic compound with an anti-inflammatory drug. Phenylbutazone is a pyrazole derivative of therapeutically unusual structure. When given with prednisone, it causes a significant increase in the effects of both constituents, permitting a lower dose of both drugs and reducing the risk of side-effects. The combination appears to cause less gastric disturbance. Phenylbutazone inhibits to some extent the metabolic breakdown of prednisone, and the synergistic action may be due, in part at least, to that inhibitory action on steroid destruction. Other steroid and analgesic combinations are represented by Coactyl (prednisone with acetylsalicylic acid), Cordex, Predasin and Deltagycortril (prednisolone with acetylsalicylic acid) and Hydrodyne (hydrocortisone with acetylsalicylic acid).

GERIDEN.—*Constituents:* Leptazol and nicotinic acid. Leptazol is a powerful stimulant of the central nervous system, and has been used in convulsive shock therapy and in the treatment of barbiturate poisoning. Nicotinic acid has been used in the treatment of a variety of conditions, quite apart from its value as a nutritional factor, and its vasodilator action may extend to the cerebrovascular system. Leptazol has been used extensively in geriatric practice, and the combined use of the two drugs is claimed to be of value in mild senile regression. Leptazol is also avaiable as Cardiazol and Phrenazol. Other drugs used in the treatment of senility include the wide range of tranquillisers.

HOSTOCAIN special.—*Constituents:* Hostocain and procaine phosphates. Hostocain (N-butylaminoacetic acid-2-methyl-6-chloranilide) is a local anæsthetic with a structure that differs significantly from that of most other drugs of this type. The majority of local anæsthetics are esters of *p*-aminobenzoic acid, and changes in activity and toxicity are associated with variations in structure of the side chain, as the *p*-amino group is not substituted in any way. Hostocain is an anilide, and in such compounds the amino group of the benzene nucleus is substituted by various acid radicals. Acetanilide and phenacetin are examples of well known anilide compounds. Hostocain is derived from 2-methyl-6-chloranilide, and one hydrogen atom of the amino group is replaced by butyl aminoacetic acid; which is associated with increased intensity of the anæsthesia produced. Lignocaine (Xylocaine) or diethylaminoacet-2:6-xylidide, which also produces an intense and prolonged anæsthesia, has a basically similar structure, with diethylaminoacetic acid as the substituent group on the amine nitrogen of the nucleus.

HYPAQUE.—*Chemistry:* A mixture of the sodium and N-methyl-glucamine salts of diacetamido-tri-iodobenzoic acid. A number of iodine compounds have been used as contrast agents in *x*-ray examinations; opacity to such rays is primarily a function of atomic number. Iodine has a much higher value than the elements of the body, and hence offers a relative greater opacity to *x*-rays. By virtue of its chemical activity, iodine can be introduced into complex organic compounds, many of which resist breakdown in the body. Radioopaque chemicals, despite their high iodine content, are safely administered for contrast in radiography because they are relatively inert physiologically. Urografin is similar to Hypaque; other organic iodine compounds used by intravenous injection as contrast agents include diodone (Arteriodone, Perabrodil, Uriodone, Vasiodone), iodoxyl (Uropac), sodium acetrizoate (Diaginol), and iodipamide methylglucamine (Biligrafin).

ORADEXON. — *Chemistry:* 16-alpha-methyl-9-alpha-fluoro-prednisolone, or dexamethasone. The fluorine derivatives of a number of corticosteroids exhibit a marked increase in activity, and methylation also increases the potency. In dexamethasone both these factors operate to bring about a higher but more selective action. The new compound is stated to be thirty times as powerful as hydrocortisone in suppressing the inflammatory symptoms of rheumatoid arthritis, and about seven times as active as prednisolone. The changes in chemical structure are also associated with certain qualitative differences; thus carbohydrate metabolism is almost unaltered, and the incidence of oedema is reduced. Serum calcium levels may rise if full doses are given. Decadron and Dexacortisyl are other brands of dexamethasone.

PANADOL.—*Chemistry:* N-acetyl-p-aminophenol or paracetamol, the active metabolite of phenacetin, from which it is formed in the body by de-ethylation. A smaller fraction of administered phenacetin is de-acetylated to form *p*-phentetedin, a toxic metabolite and the precursor of an unidentified compound that oxidises haemoglobin to methaemoglobin. The administration of paracetamol eliminates that possible toxic effect of phenacetin. Other paracetamol products are Calpol, Eneril, Febrilix and Tabalgin. More powerful analgesics of the morphine type are controlled by Dangerous Drug Act regulations, but D.F. 118, or the 3-methyl ether of 7-8-dihydromorphine, is an exception. That substance is formed from codeine by the saturation of a double bond, and although potentially a drug of addiction it has not given rise to any reports of addiction, and the drug is not subject to the provisions of the D.D.A.

RISTON.—An antibiotic (approved name ristocetin) derived from a species of actinomycetes. It consists of a mixture of two substances, referred to as ristocetin A and ristocetin B respectively, each with a molecular weight of about 4,000; relatively stable in acid solution; but inactivated rapidly in alkaline solution. A sterile injection solution may be refrigerator-stored for four weeks without significant loss of activity. The antibiotic is active against most Gram-positive organisms, and has a particular clinical value in certain severe infections due to resistant organisms not susceptible to other antibiotics. It is bactericidal at concentrations close to those at which it is bacteriostatic, and clinical resistance to ristocetin has not been observed. The drug is intended for intravenous injection only, and accidental extravenous injection may cause a local irritation not serious enough to cause necrosis or abscess formation. Some allergic reactions and drug fever have been observed, but as a rule they are of little significance when weighed against the therapeutic response. Spontin is another brand of ristocetin, available in similar doses.

TEDRAL SUSPENSION.—*constituents:* Theophylline, ephedrine and phenobarbitone in the form of a flavoured elixir. This combination of anti-asthmatic drugs has hitherto been available only as tablets (plain or enteric-coated), and the new suspension favours the treatment of the child asthmatic. Franol tablets contain similar constituents; and many other products, such as Fydal and Respedrine, are formulated on similar lines, with the addition of isoprenaline. Englate syrup contains theophyline sodium gycinate.

TERRA-CORTRIL. — *Constituents:* Hydrocortisone and oxytetracycline. A spray-pack permitting easy, aseptic application of the hydrocortisone to the skin for its anti-inflammatory action, the antibiotic inhibiting secondary infection, or controlling any established bacterial interference. Liquid products for topical application containing similar or related constituents include Cortril with neomycin, Efcortelan with neomycin, and Framycort. Prednisolone is the corticosteroid component present in Codelsol with neomycin, Hydetracin, Predsol and Predsol-N and Precortisyl lotion.

TROPHYSAN. — *Constituents:* Essential amino-acids, vitamins and mineral salts. In some presentations sorbitol is included as an energy-supplying carbohydrate. The synthesis of protein by the body depends on the availability of certain relatively simple amino acids which are therefore termed essential. They are normally present in the diet, and are made available for subsequent protein synthesis by the ordinary process of digestion. In diseases of the digestive organs, or in severe disease, the digestive processes are sometimes by-passed by administering amino acids. That is done using protein hydrolysates, but the difficulties of obtaining suitable apyrogenic solutions of constant composition are considerable. Trophysan is designed to eliminate untoward side-effects by using pure amino acids, the addition of mineral salts and vitamins forming a balanced nutritive solution. Aminosol (Vitrum) is an enzymatic hydrolysate of casein; Aminosol (Abbott) is a modified hydrolysate of beef blood fibrin with added dextrose.

AMERICAN LISTED DRUGS

CADMIUM SULPHIDE (Capsebon).—Considered comparable with selenium sulphide in the treatment of seborrhœic dermatitis. Used topically as a 1 per cent. suspension applied as a therapeutic shampoo. Data supplied by Pitman-Moore Co., division of Allied Laboratories.

RAUTRAX.—*Constituents: Rauwolfia serpentina,* flumethiazide and potassium chloride. The whole root of rauwolfia is claimed to produce less sedation or depression than the single alkaloids, and the antihypertensive action is augmented by the combined use of flumethiazide. This chlorothiazide derivative is as effective as the parent drug, but does not cause an excessive loss of potassium or bicarbonate. Long-term therapy, often necessary in hypertension, may make some supplementation of potassium desirable, and potassium chloride is therefore included. Raudixin is a preparation of the whole root of rauwolfia, and Rauwiloid is a mixture of reserpine and other non-adrenolytic alkaloids of the same plant. Decaserpyl is a reserpine derivative claimed to have the typical hypotensive action of the drug without a depressant action on the central nervous system.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Thursday, September 20

LONDON CHEMISTS' GOLFING SOCIETY, Hendon golf club. Visitors' day.

TELEVISION

Programme details are given to enable chemists to put in linking-up displays if they wish. Figures in the columns represent number of appearances of the product during the week.

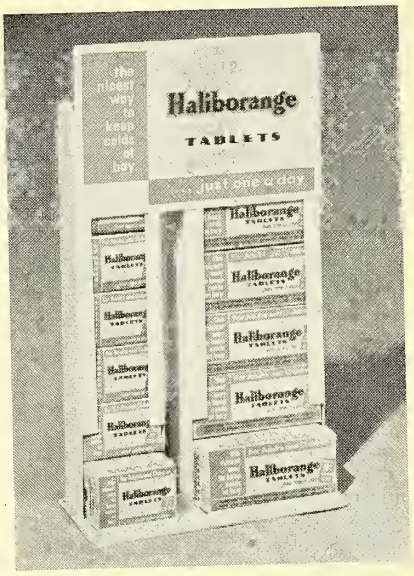
September 13-19	London	Midland	North	Scotland	Wales	South	N.E.
Alka-Seltzer	2	2	1	—	1	2	2
Amami wave set	—	—	3	—	—	—	—
Anadin	4	3	3	4	4	4	3
Aspro	5	4	4	3	4	5	4
Astral soap	—	—	—	—	2	—	3
Ayrton's antiseptic cream	—	—	—	2	—	—	—
Beecham's powders ...	3	3	3	3	3	2	3
Binki pants	—	2	—	2	—	—	—
Bristow's lanolin shampoo	3	3	3	—	—	3	—
Camay	9	1	3	2	3	3	3
Cephos	—	—	3	—	—	—	—
California syrup of figs ...	—	1	1	1	—	—	—
Christy's lanoline face pack	1	1	1	1	1	1	1
Cooper's aerosols ...	2	2	2	2	2	2	2
Cuticura	2	—	—	—	—	—	—
Damaskin	1	1	—	—	—	—	—
Euthymol tooth-paste ...	2	1	—	1	1	—	2
Germolene	1	1	—	1	—	1	1
Gibbs' S.R. tooth-paste ...	—	—	—	—	4	—	—
Kolynos	4	3	4	4	5	5	4
Lucozade	1	—	3	—	1	—	—
Max Factor preparations	3	3	3	3	3	3	3
Milk of Magnesia	1	—	—	1	1	1	1
Milk of Magnesia tablets	—	4	4	—	—	—	—
Phensic	3	3	3	3	3	3	3
Phillip's tooth-paste ...	2	—	—	—	—	—	—
Phosferine	1	1	1	1	1	1	1
Phyllosan	1	—	—	—	—	—	—
Polly Roll	1	1	1	1	1	1	1
Ponds	2	2	2	2	2	2	2
Quickies	1	—	—	—	—	—	—
Remington shavers ...	2	1	2	2	2	2	2
Ribena	1	2	2	2	1	2	2
Rinstead pastilles	1	1	—	—	—	1	—
Setlers	3	3	3	—	3	3	3
Silvikrin hair cream ...	3	1	1	3	1	1	—
Sun Orange Quosh ..	—	—	—	—	2	—	—
Valderma balm	—	—	—	—	2	—	—
Veno's cough mixture ...	3	3	3	3	3	3	3
Vosene	1	1	1	1	—	1	—
Yeast-Vite	—	1	1	—	—	—	—

PRINT AND PUBLICITY

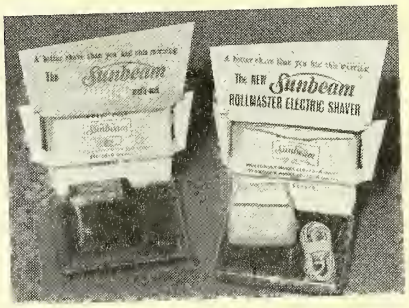
PRESS ADVERTISING

J. GROSSMITH & SON, LTD., 41 Piccadilly, London, W.1: White Fire Christmas gift sets. Full-colour in women's journals.

"CROWNER" AND OUTER: Advertising for Lyril soap (Hudson & Knight, Ltd., Port Sunlight, Ches) is echoed in the "crowner" available for single tablets and the display outer in which the soap is sent out to retailers.



"DISPENSER" SHOWSTAND: Latest display piece produced by Allen & Hanburys, Ltd., Bethnal Green, London, E.2, for their Haliborange tablets.



"CROWNERS" FOR NEW SHAVERS: As part of the display material available to the retailer for the two new Sunbeam electric shavers, Sunbeam Electric Ltd., Nerston, East Kilbride, Glasgow, have made available two pack "crowners" illustrated.

COMBINED EFFORT: In association with Kathleen Court (England), Ltd., 67 Effra Road, London, S.W.2, Kimberly-Clark, Ltd., Larkfield, nr. Maidstone, Kent, have produced the combined display of Kleenex tissues and Cooltan products illustrated.

"SELL-OUT" DISPLAY-PIECE: A new point-of-sale display "sell-out" for Angel Face "Date" compact that has been made available by the makers, Chesebrough-Pond's, Ltd., Victoria Road, London, N.W.10, to assist sales of the product.

C. & D. WEEKLY LIST OF PRICES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; * = Tax 25 per cent.

BENGUE & CO., LTD. (from September 1)

		I.R.P.	
Pulmo-Bailly* 90 mils		4 9	*A*

ROCHE PRODUCTS, LTD. (from September 1)

Redoxon tablets			
25 mgm.	250	5 0	*R*
	1,000	15 0	*R*
50 mgm.	500	13 3	*R*
	1,000	24 0	*R*
200 mgm.	100	9 6	*R*
	500	42 6	*R*
	1,000	82 6	*R*
500 mgm.	100	23 6	*R*
	500	100 6	*R*

SAVORY & MOORE, LTD.

		Doz.	
Quinasp capsules*	12	17 0	2 6 *A*

NEW PRODUCTS AND PACKS

BONNIBABE PRODUCTS, LTD.

Bonnibabe bottle warmer*	57 6

BURROUGHS WELLCOME & CO.

		Each	
Darenthin tablets* 200 mgm.	100	37 0	
	500	175 0	

C.H.B. SUPPLIES

Accura 4 elite shaver*	133 7

M. A. CRAVEN & SON, LTD.

Blackcurrant pastilles ½ lb.	1 0
Mint imperials ½ lb.	9

GNOME PHOTOGRAPHIC PRODUCTS, LTD.

Pargo adjustable connector	7 6

IMPERIAL CHEMICAL INDUSTRIES, LTD., PHARMACEUTICALS DIVISION

		Each	
Tenormal tablets 1 mgm.	500	23 4	35 0

MONDART, LTD.

	aerosol	60 0	7 11
Max "instant cold relief"*		Doz.	

J. J. SILBER, LTD.

Halina 35X camera*	153 3

SMITH KLINE & FRENCH LABORATORIES, LTD.

Furoxone tablets			
100 mgm.	20	102 0	12 9
		Each	
	200	76 6	
		Doz.	
suspension*	8 oz.	99 4	14 6

SUNBEAM ELECTRIC, LTD.

Sunbeam Rollmaster shaver*	
single-voltage	192 6
multi-voltage	212 6
Shavemaster*	
multi-voltage	235 0

A. WANDER, LTD.

		Each	
B-Pas (Wander) cachets 1 gm.	100	17 6	26 3
	500	74 6	111 9
powders 3·5 gm.	100	44 6	66 9
	500	197 6	296 3
B-Pasinah cachets	100	18 0	27 0
	500	84 6	126 9
powders	100	46 6	69 9
	500	207 6	311 3

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MSD

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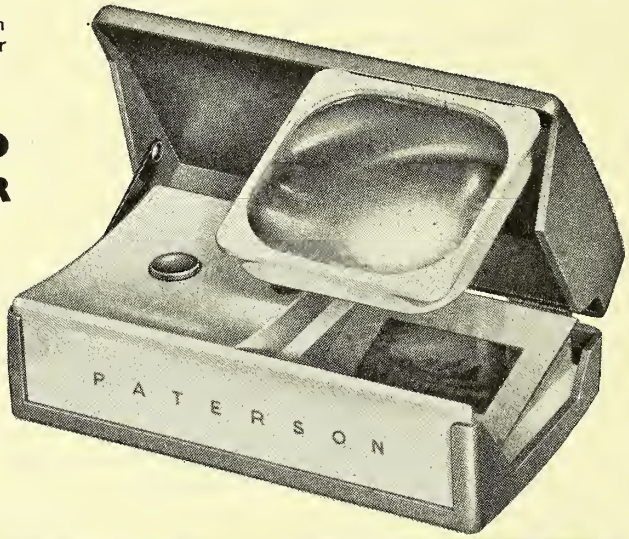
PATERSON ILLUMINATED 2 x 2 TRANSPARENCY VIEWER

Beautifully styled and finished in pastel blue, white and red. Slips in the pocket or handbag for viewing at any time. Optically worked viewing lens gives a brilliant magnified picture with full picture coverage for all 2" x 2" slides, including Bantam and Super Slides. Retails (ex batteries) at **35/-**



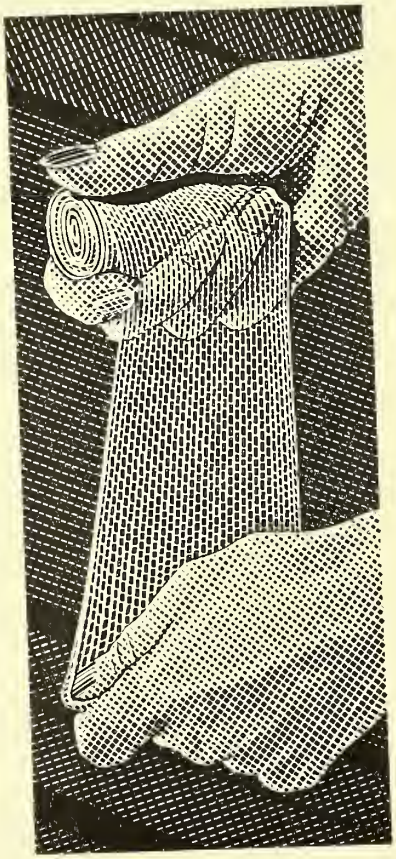
Other viewers in the Paterson range include models from 10/6 and models for 6 x 6 cm. slides. Attractive literature is available to stockists.

Manufacturers and World Distributors:

R. F. HUNTER LIMITED
"Celfix House," 51/53 Gray's Inn Rd., London, W.C.1. Phone Holborn 7311/2/3
FACTORIES AT LONDON AND LEIGHTON BUZZARD, BEDS.

HUNTER SERIES

Net profits!



Lastonet Elastic Net Bandages, with their two-way stretch, give firm, even support to sprained or weak joints. Their open net lets air circulate freely. They're hygienic and washable. Hence their popularity and great sales potential. They're available in 5-yard lengths (fully stretched) and 2½, 3, 3½ or 4 inch widths, also 5 inch width of 7½ yard length (fully stretched). Attractively packed in half-dozens or dozens. They can be supplied against NHS prescriptions. There's a good profit margin and display material is available. Over to you! *Approved by the National Varicose Foundation.*

Lastonet
ELASTIC NET BANDAGES

LASTONET PRODUCTS LIMITED
CARN BREA, REDRUTH, CORNWALL

QT3

When the forceful combination of wintry weather and our vigorous new advertising campaign creates a bigger-than-ever demand, you'll be glad you stocked up with Crookes Halibut Oil Capsules. They are now available in air-tight aluminium packings and on extremely favourable terms.

ORDER TODAY and reap this double reward;
GENEROUS BONUS on every order.
BIGGER PROFIT on every sale.

new packaging

Send your order now

generous bonus

PARCEL E	36 x 30 Capsules at 2/6 + three Total retail value 4.17. 6 Nett cost 3. 0. 9 **Your profit £1.16.9**
PARCEL L	12 x 120 Capsules at 8/6 + one Total retail value 5.10. 6 Nett cost 3. 8.10 **Your profit £2. 1. 8**
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PARCEL X	24 x 30 Capsules at 2/6 + two 12 x 60 Capsules at 4/6 + one 12 x 120 Capsules at 8/6 + one Total retail value 11.14. 0 Nett cost 7. 5.10 **Your profit £4. 8. 2**

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Lightweight OXYGEN THERAPY SETS

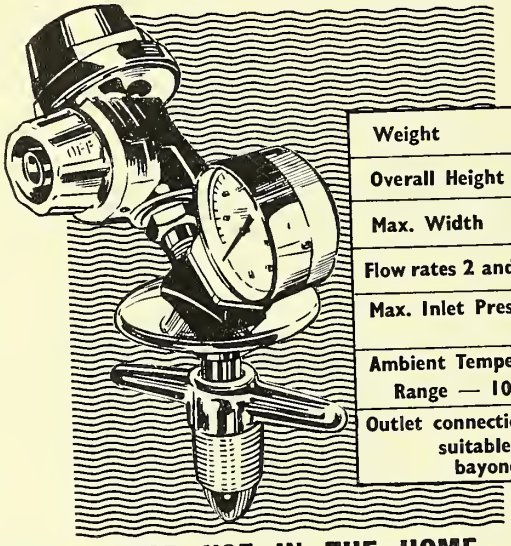
ON EC 10 PRESCRIPTION

The Normalair Type C890 Domiciliary Oxygen Flow Selector is approved by the Ministry of Health for use at home and is included in the drug tariff.

Fool-proof and easily attached without tools to any standard oxygen cylinder, the Normalair C.890 provides an accurately-controlled and metered oxygen supply at 2 or 4 litres a minute.

The flow rate selected by simply turning a clearly marked knob is automatically maintained from 1980 p.s.i. to 30 p.s.i. and no re-adjustment is needed as cylinder pressure falls during use.

Full details are available in Leaflet C.890.



Weight	2½ lb.
Overall Height	5½ ins.
Max. Width	4½ ins.
Flow rates 2 and 4 litres /min.	
Max. Inlet Pressure	1980 p.s.i.
Ambient Temperature Range	— 10°C to + 50°C
Outlet connection	suitable for standard bayonet connector

FOR USE IN THE HOME

Designed and manufactured by

NORMALAIR LTD

YEOVIL ENGLAND

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Of proved efficiency against infection

The Antipeol products incorporate the broth filtrates of the microbes common to most cutaneous, naso-pharyngeal and ocular complaints.

MBL

Among the MEDICAL AND NURSING PROFESSION and THE FIRST AID ASSOCIATIONS, the ANTIPEOL preparations enjoy a continued and growing popularity. They are highly regarded as simple but effective remedies against even the more virulent forms of skin, nose and eye infections.

ANTIPEOL

CUTANEOUS OINTMENT

For the immediate treatment of Burns and Scalds. For Boils to avert surgical intervention. Also for ABSCESSES, ECZEMA, CARBUNCLES, VARICOSE ULCERS, HAEMORRHOIDS, and certain types of DERMATITIS.

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For ASTHMA, BRONCHITIS, CATARRH, CORYZA, RHINITIS and many other infections of the naso-pharynx.

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THERAPEUTIC OPHTHALMIC OINTMENT

For BLEPHARITIS, CONJUNCTIVITIS, DACRIOCYSTITIS, KERATITIS and other inflammatory conditions of the eye.

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Sole Distributors for the U.K.: ARCHER LABORATORIES LTD, CARGREEN ROAD, LONDON, S.E.25

Is she deceiving herself?

Thousands of germs will still be alive in the morning!

Thousands of germs, invisible to the naked eye, will still be active, if any ordinary cleanser is used—no matter how white the bowl and even after 18 hours!
The way to be certain of shining-white cleanliness and the destruction of all germs overnight is to use a *liquid* cleanser which is also a strong disinfectant. Domestos is the concentrated *liquid* disinfectant-cleanser which kills all germs in one hour. You can prove the powerful action of Domestos by seeing how swiftly it removes stains. Yet it cannot harm the glaze. Domestos has a keen, fresh smell. It is not a perfume which may merely mask odours—it removes every speck of the soiling which *causes* obnoxious odours.
For safety's sake, pour a little Domestos round the lavatory bowl last thing tonight—and *every* night.

HERE'S SCIENTIFIC PROOF

At the end of the day, average lavatory bowls were found to contain millions of germs.

These bowls were treated, each with a different cleanser. Next morning, bacteriological examination revealed that all those *not* treated with Domestos still contained thousands of live germs.

Domestos not only completely cleans . . . even round the bend where no brush can reach . . . but also kills all bacteria, viruses and fungi in one hour. There are no germs known which it does not kill.

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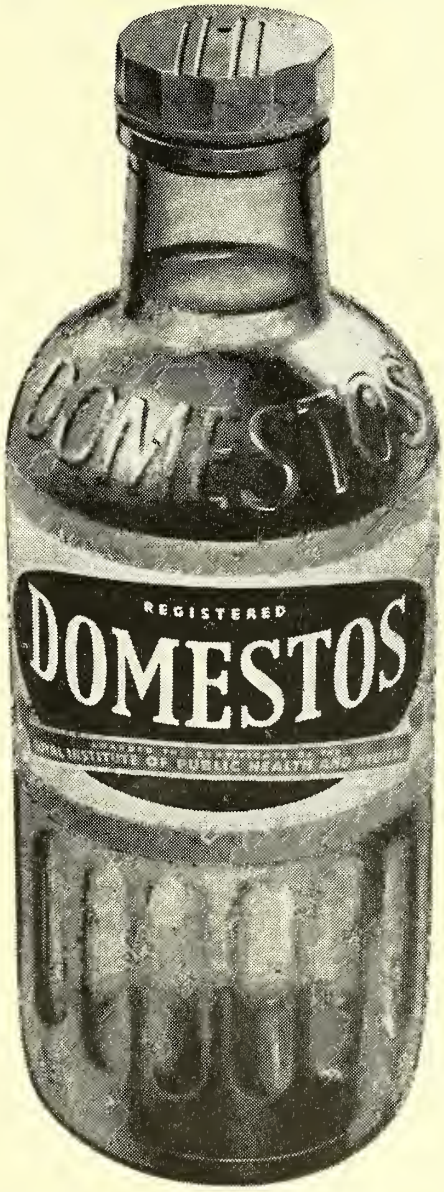
The Brushless
LAVATORY CLEANSER

1/3d plus 2d returnable on the bottle. Use Domestos for all cleaning . . . for toilet basins, sinks, drains, washing floors, for disinfecting in hot weather.

Forceful advertising in the Press and on T.V. reminds the housewife to 'use Domestos *every* night.'

Because it is the * MOST EFFECTIVE lavatory cleanser available . . . .



. . . more and more of your customers will ask for

*** SCIENTIFIC PROOF**

sts reveal that thousands of germs still remain ive on lavatory bowls treated with ordinary ansers, even after 18 hours. *But, Domestos s all known germs within one hour.*

OMESTOS has the LARGEST SALE *of any Liquid LAVATORY CLEANSER*

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Liberation from the distress and misery of

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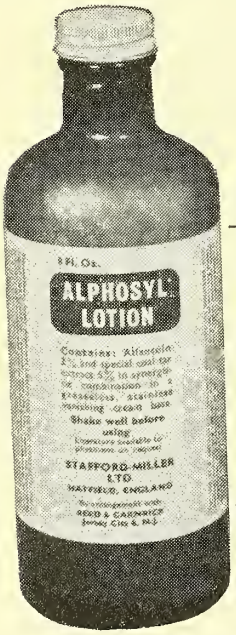

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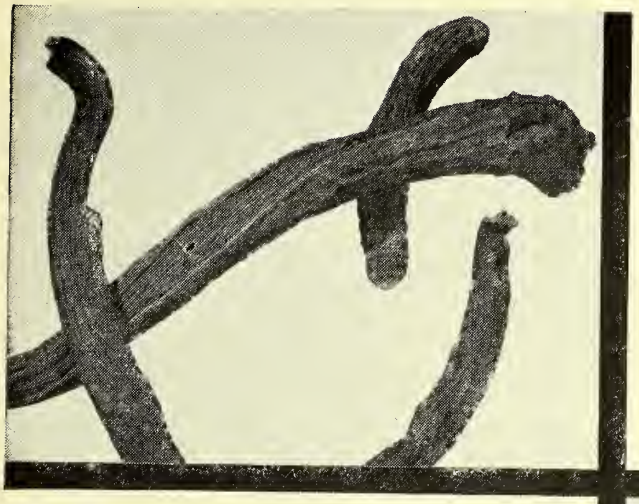

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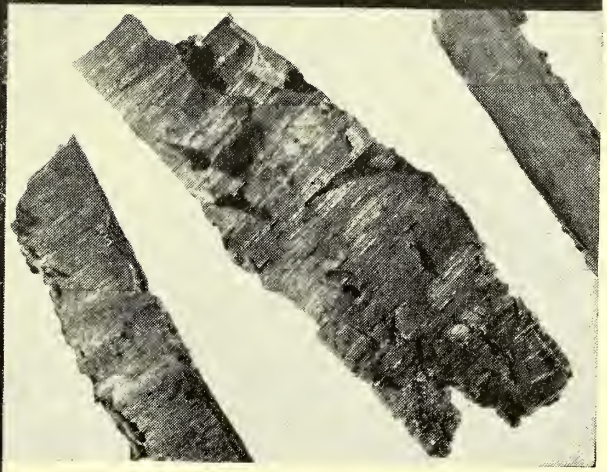

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2-way stretch

In a case like this.... dispense
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Always dispense **and recommend** Burson 2-Way Stretch Hosiery and ensure your customers' complete satisfaction. The quality—finish—colour and durability of Burson Hose make them the first choice of those who appreciate the best. Burson Stockings are fully fashioned and virtually indiscernible in use.

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POWDER CREAM

Velouty is immensely popular because it performs a special task in the art of achieving complexion beauty. This excellent preparation can be a source of good business to you.

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TRADE 7/6 doz. 12/3 doz. RETAIL 1/3 ea. 2/1 ea.
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Velpuff is a perfect creamy base, with the softest, finest powder. Ready to be smoothed on with its own puff, it stays matt for hours.

LUXURY CASE
WITH MIRROR
Retail 5/7 each
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4 SHADES
FASCINATION
(Natural)
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Retail 3/2
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Supershave! Superseller!

NEW Corvette SUPERSHAVE

Corvette Supershave Sells Fast. More men are shaving the "aerosol" way. Corvette Supershave has been made to meet the growing demand for this modern way of shaving.

No brush—but Superlather. Press the button and a rich, creamy lather is ready for smoothing onto the beard.

For the toughest beards. Corvette Supershave contains a good measure of that special Corvette wetting agent which softens the toughest beard.

Supervalue for your customers. Three months of carefree shaving are packed into Corvette Supershave—and it retails at only 5/6.

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BE A SUPERCHEMIST-STOCK CORVETTE SUPERSHAVE

BIGGER CORVETTE ADVERTISING MEANS BIGGER SALES OF ALL CORVETTE PRODUCTS

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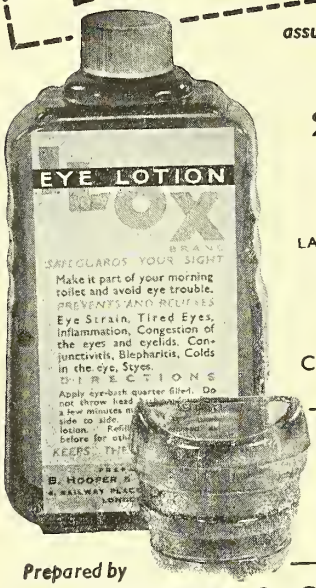
ILOX EYE LOTION

Recommend it with assurance—for Eye Strain, Tired Eyes, Inflammation, etc.



Retails at 2/6 per bottle
(Including eye bath)
Cost Price 18/- per doz. plus 5/5 P.T.

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ILOX EYE BATHS
Cost per doz. 10/- plus 1/6 P.T.
Retail 1/4½ each.

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1 DOZEN PARCEL
13 to the dozen
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and see our range of 250 Pure Bristle and Pure Badger Shaving Brushes to suit all markets

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SHAVING BRUSHES
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Quinine Sulphate B.P. 1953 & 1932

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For teething and digestive troubles

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Over 1/9 BOX PROFIT by ordering 1 dozen 6/3 size. Bonus given on every dozen (13). It pays to push this size.

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RECTIFIED B.P. 70/75% and 80/85%
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PRODUCED NATURALLY WITHOUT FRACTIONATION
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ESTABLISHED chemist's business, 85 Sandyfaulds Street, Glasgow, C.5, consisting of double shop and dispensary with cellarage. Assessed rental £18. Feu duty £2. Inventories of the furniture, fittings and stock are available. For further particulars, including arrangements to view, apply to Walter & W. B. Galbraith, C.A., 87 St. Vincent Street, Glasgow. (Central 7783). The highest or any offer may not be accepted. C 9630

APPOINTMENTS

BROOKWOOD HOSPITAL, KNAPHILL, WOKING

Assistant-in-Dispensing

Applications are invited for the above post. The successful candidate will be required to work under the supervision of the Chief Pharmacist, who is responsible for the preparation and issue of drugs and dressings for about 1,750 patients.

Salary scale £170 p.a. at age 16 years rising to £375 at age 22 years or over rising to a maximum of £490 p.a. (plus £20 p.a. for an approved qualification).

Professional and Technical Council B of Whitley Council conditions apply to the appointment which is subject to the provision of the National Health Services Superannuation Regulations.

The successful candidate will be required to pass a medical examination.

Accommodation available for female candidate for which a charge of £2 8s. per week will be made.

Applications giving particulars of age, experience and qualifications, together with names of two referees to the Physician Superintendent, as soon as possible. C 417

CANADA

WANTED—Male or Female Pharmacist to act as Assistant Pharmacist in the dispensary of fully accredited, modern, 365-bed general hospital. Commencing salary $305.00 per month (equivalent in English pounds approximately £108 per month).

Apply: Mr. R. A. Jones, Personnel Officer, St. Thomas-Elgin General Hospital, St. Thomas, Ontario, Canada C 9542

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE, BETHNAL GREEN HOSPITAL, CAMBRIDGE HEATH ROAD, LONDON, E.2

Locum Pharmacist

required to cover periods of annual leave up to October 3 for three general hospitals. Salary 18 guineas per week. Please apply to Chief Pharmacist, Bethnal Green Hospital, Cambridge Heath Road, E.2. (Phone: Advance 3413.) C 447

CITY GENERAL HOSPITAL, SHEFFIELD, 5

Senior Pharmacist

Applications are invited for the appointment of a Senior Assistant (Senior Pharmacist grade) at the above Category V hospital. Principal duties will involve the development and maintenance of a small sterile products unit. The post offers excellent opportunity to extend experience in hospital pharmaceutical practice.

Salary on scale £675—£865 per annum (additional £25 p.a. if holding a higher qualification). Apply giving full details of age, qualifications, experience, etc., and the names of two persons for reference to the Group Secretary, Sheffield No. 1 Hospital Management Committee, Nether Edge Hospital, Sheffield, 11. C 9602

GENERAL HOSPITAL, NOTTINGHAM

Locum Pharmacist

required immediately for the General Hospital and Eye Hospital.

Salary, £18 18s. per week.

Applications to the Group Secretary, General Hospital, Nottingham. C 473

HERTFORD COUNTY HOSPITAL, HERTFORD (21 miles from London)

Senior Pharmacist (Category III)

Applications are invited for the above post. Salary scale £675 to £865 p.a. Duties under direction of Chief Pharmacist and to commence September 1959. Department responsible for purchase and issue of drugs, dressings, surgical instruments and equipment for above and two other small hospitals, also for supervision of Central Sterilising Department.

Applications giving details of age, qualifications and experience, with names of two referees to Hospital Secretary, Hertford County Hospital, Hertford, Herts. C 9581

GROUP PHARMACEUTICAL DEPARTMENT, KENT AND CANTERBURY HOSPITAL, CANTERBURY

Post-graduate Student

Applications are invited for the appointment of a Post-graduate Student in the above department. Salary £400 per annum. The Chief Pharmacist will be pleased to answer any enquiries about this post. Applications with full details to be sent to the Group Secretary, Central Office, Nunnery Fields Hospital, Canterbury. C 9603

HILL END HOSPITAL, ST. ALBANS, HERTS

Dispensing Assistant

male or female, required at the beginning of November for full or part-time work. Salary as Whitley Council award. The Hospital is situated 20 miles from London with a ½-hourly coach service. Apply stating age and full particulars and experience to the Chief Pharmacist. C 9597

KING EDWARD VII HOSPITAL, WINDSOR (Category III Hospital)

Pharmacist

required immediately. Whitley salary. Applications giving details of service to Secretary. C 9623

KINGSTON HOSPITAL, WOLVERTON AVENUE, KINGSTON-UPON-THAMES

Locum Pharmacist

required immediately. Salary £18 18s. per week for three weeks or £16 16s. per week for a longer period. Applications to Physician Superintendent of the hospital. C 483

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Appointments—Continued

LEYTONSTONE (No. 10) HOSPITAL GROUP
Pharmacist
Applications are invited for the post of Pharmacist at Whipps Cross Hospital, London, E.11 (Category V Hospital).
The hospital is ideally situated, being on the Central Underground Line within 20 minutes of Central London.
Application forms from the Hospital Secretary to be returned as soon as possible. C 478

LAMBETH HOSPITAL, BROOK DRIVE, S.E.11 (Acute General—501 beds)
Assistant-in-Dispensing
required. Whitley Council rates. Applications, stating age, experience and names of two referees to the Secretary. C 462

LEYTONSTONE (No. 10) HOSPITAL GROUP
Assistant-in-Dispensing
Applications are invited from persons holding the Certificate of the Society of Apothecaries of London, or an equivalent qualification, for the post of Assistant-in-Dispensing at Whipps Cross Hospital, Leytonstone, E.11.
Commencing salary according to age and experience, i.e., at age 22 £395 per annum rising by annual increments to a maximum of £510 per annum, plus London Weighting Allowance at the rate of £20 per annum, rising to £30 per annum at the age of 26 years. Additionally, a qualification allowance is payable at the rate of £20 per annum.
Application forms are obtainable from the Hospital Secretary, to be returned as soon as possible. C 479

METROPOLITAN HOSPITAL, KINGSLAND ROAD, LONDON, E.8
Locum Pharmacist
required to work in a modern department. Apply to Hospital Secretary. C 445

MID-WALES H.M.C.
Chief Pharmacist (Category III)
Applications are invited for the above post for the Group Pharmacy. This is a pioneer appointment and the successful applicant will be required to organise and develop a new pharmaceutical service for the Group and also will be required to assist in the planning of a department in a new hospital unit to be built in the near future.
Terms and conditions of service in accordance with Pharmaceutical Whitley Council agreements. Salary Scale, Category III, £815 by eight increments to £1,115.
Applications giving full details of qualifications and experience together with the names and addresses of three referees to the Group Secretary, 31 North Parade, Aberystwyth, Cards., by September 7, 1959. C 9570

ROYAL BERKSHIRE HOSPITAL, READING
Pharmacist (Category V)
Vacancy in well-established group pharmaceutical department for Pharmacist seeking wide experience. Ability rewarded by promotion within Group. Full establishment of supporting staff. Applications to Group Pharmacist. C 472

ROYAL GWENT HOSPITAL, NEWPORT
Assistant-in-Dispensing
required. Apothecaries Hall or equivalent an advantage. Duties include some clerical work. Salary scale £215—£510 per annum, commencing at £395 at age 22 or over. Applications with full details of experience, together with the names of two referees to Chief Pharmacist. C 9625

SOUTH LONDON HOSPITAL FOR WOMEN AND CHILDREN, CLAPHAM COMMON, S.W.4 (Acute General, 254 beds)
Senior Pharmacist
required. Applications stating age, qualifications, experience and names of two referees to the Secretary. C 469

ST. MARK'S HOSPITAL, CITY ROAD, LONDON, E.C.1
Locum Pharmacist
required for three weeks commencing immediately. Salary 18 gns. per week. Applications to Secretary. C 9635

ST. MARY'S HOSPITAL, CHILDREN'S DEPARTMENT, PRINCESS LOUISE KENSINGTON HOSPITAL FOR CHILDREN, ST. QUINTIN AVENUE, W.10
Pharmacist
required. Whitley Council salary and conditions. Applications to Secretary, from whom further particulars can be obtained. C 9634

ST. MARK'S HOSPITAL, CITY ROAD, LONDON, E.C.1 (Post-graduate Teaching Hospital)
Pharmacist
Applications invited for the appointment of Pharmacist at this surgical hospital (rectal and colonic). Whitley salary scales £605—£815 plus London Allowance. Additional £25 if holding higher qualifications.
Service in retail pharmacy, etc., taken into account in deciding commencing salary. Detailed applications, naming two referees, to Secretary. C 9626

SELLY OAK HOSPITAL, BIRMINGHAM, 29
Post-graduate Pharmaceutical Student
required immediately. Opportunity for gaining all-round experience. Salary £400 per annum. Pre-graduate Student (also one year duration) will be considered if in possession of Intermediate Examination or two subjects at Advanced Level G.C.E. Applications to Administrator. C 9644

SELLY OAK HOSPITAL, BIRMINGHAM, 29 (Category V—1,033 beds)
Deputy Chief Pharmacist
for general supervision of department and sterile production. Good experience necessary. Salary scale £755—£1,030. State age and experience, naming two referees, in application to Administrator. C 9643

ST. PETER'S HOSPITAL, CHERTSEY, SURREY
Pharmacist and Assistant-in-Dispensing
required. Whitley Council conditions. Hospital in pleasant rural surroundings within easy reach of London. Salaries: Pharmacist £605 to £815 according to experience. Assistant-in-Dispensing (age 22 or over) £395 to £510.
Applications stating age and experience giving two referees to Administrative Officer. C 9645

SELLY OAK HOSPITAL, BIRMINGHAM, 29 (General Hospital, 1,033 beds)
Pharmacist
for general duties. Salary scale £605—£815. State particulars, naming one referee, in application to Administrator. C 9642

THE GENERAL HOSPITAL, DEWSBURY, YORKS
Pharmacist
required immediately for modern department in a Category III hospital. Post offers good experience including small-scale manufacturing. Salary scale £605—£815 per annum.
Applications giving age, experience and qualifications, together with the names and addresses of two referees to be sent, as soon as possible, to the Administrative Officer at the hospital. C 9624

WEST MIDDLESEX HOSPITAL, ISLEWORTH, MIDDLESEX
Assistant-in-Dispensing
required in Pharmaceutical Department for varied duties. Salary £395 per annum at age 22, rising to £510, plus London Weighting (additional payment of £20 per annum for suitable qualifications).
Apply giving names of two referees to the Chief Pharmacist. C 480

THE UNITED BIRMINGHAM HOSPITALS, THE QUEEN ELIZABETH HOSPITAL, EDGBASTON, BIRMINGHAM, 15
Pharmacist
Applications are invited for the post of Pharmacist at the Queen Elizabeth Hospital. Duties mainly dispensing for in-patients. Salary scale at present £605 x £30 (3)—£695 x £35 (1)—£730 x £30 (2)—£790 x £25 (1)—£815 per annum, but this is under review. Applications stating age, experience and the names and addresses of two referees to the House Governor. C 9628

EDUCATIONAL

LONDON COLLEGE OF PHARMACY AND CHEMISTRY FOR WOMEN
7 Westbourne Park Road, W.2
Established 1892
The only College in S.E. England teaching exclusively for the Assistants-in-Dispensing Examination of the Society of Apothecaries. Enrolling now for six months' full-time or 2-year part-time course for Student Dispensers under 1956 Regulations. 100 per cent. Examination successes in 1958. C 404

SITUATIONS VACANT

RETAIL (HOME)

ASSISTANT, unqualified, 35 or over, with some chemist retail experience, required to manage pleasant modern drug store in Surrey for a week or fortnight, September or October. State salary expected. Box C 2393.

BRACKNELL (New Town). Manager required for branch business, established four years. Modern well equipped pharmacy, four other staff. Salary, plus commission, and excellent new three-bedroomed house (overlooking the country) a mile from the business, rent and rates free. Apply: Bate, 46 Market Place, Reading. Phone: 53108. C 2392

BRANCH MANAGER PHARMACIST. A branch manager/manageress Pharmacist required for suburban branch. Wages, plus emoluments, in excess of £1,000 per annum. Possibility of housing accommodation being arranged. Applications in writing to the Personnel Manager, Portsea Island Society, 110 Fratton Road, Portsmouth. C 470

EDGWARE. Mainly dispensing with some counter work. Forty-hour week including two evening duties to 10 p.m. One Sunday duty in four. Permanent. Derek Clarke, 85 Station Road. EDG. 2061. C 482

OLDHAM CO-OPERATIVE CHEMISTS, LTD., invite applications for position of pharmacy branch manager, either sex. Modern accommodation available if necessary. Superannuation. Salary and other emoluments at least £960. Applications, stating age, experience, etc., to Oldham Co-operative Chemists, Ltd., King Street, Oldham. C 454

PETERBOROUGH. Pharmacist required to supervise our main pharmacy. Inclusive salary to commence £1,150 per annum. House available at a reasonable rent. Pleasant locality. Excellent conditions of employment. Superannuation with transfer clause. Interview at our expense by appointment. Please forward usual details to Peterborough Co-operative Chemists, Ltd., Park Road, Peterborough. C 2377

PETERBOROUGH. Pharmacist required for approximately two months. Duties mainly dispensing. Excellent conditions of employment. Please quote terms and usual details to Peterborough Co-operative Chemists, Ltd., Park Road, Peterborough. C 2381

RIKER LABORATORIES LIMITED

EXPORT SALES DEPARTMENT

Riker Laboratories Limited have a vacancy in their Export Sales Department for a Pharmacist or other suitably qualified person to work under the direction of the Export Sales Manager on the technical aspects of selling ethical pharmaceuticals in the Company's export market.

Riker is a relatively new Company in the International Pharmaceutical Field and the post provides an excellent opportunity for a pharmacist to gain experience in export matters. His duties will become increasingly important as the Company's export business increases.

Applications should be made in writing, in the first instance, and be addressed to the Personnel Manager, Riker Laboratories Limited, Loughborough, Leics.

C 9584

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STAINLESS STEEL CONTAINERS.
Capacity 6 galls. Size 16" x 11" x 11" deep.
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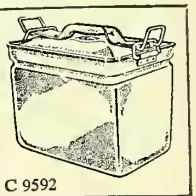

C 9592

Situations Vacant—Continued

WHOLESALE

ANALYST REQUIRED. Due to rapid expansion a good opening exists for an assistant aged 21-25, B.Sc., B.Pharm., or A.R.I.C., preferably with some experience in the control of pharmaceutical preparations and chemicals. The company works a five-day week, operates a pension scheme and offers excellent working conditions with canteen facilities. Please apply in writing to the Chief Analyst, Geigy Pharmaceutical Company, Limited, Wythenshawe, Manchester, 23.

C 9639

Pfizer

MEDICAL REPRESENTATIVE

We invite applications from pharmacists or persons with a pharmaceutical or medical background, who are interested in a successful and progressive career with this Company, to fill a vacancy in:—

NORTH AND EAST LONDON

Comprehensive training will be given to the successful applicant. A generous starting salary is offered; in addition a bonus scheme is in operation. A car is provided, expenses paid, and a non-contributory Pension and Life Assurance Scheme is in operation.

Fully detailed applications should be made to:—

The Sales Recruitment and Training Officer,
PFIZER LTD., FOLKESTONE, KENT,
quoting reference F.6943.

C 9641

THE PFIZER GROUP

BURROUGHS WELLCOME & CO.

Medical Representatives

Burroughs Wellcome & Co. invite applications for two vacancies on their Medical Representative staff in the Lancashire area. The territories are based on Liverpool and South-east Lancashire respectively. Pharmacists only will be considered. Although adequate training will be provided, previous experience in the work is desirable for the Liverpool territory.

Full particulars, which will be treated in strict confidence, should be addressed in the first place to:

The Manager,
Home Sales Department (Medical),
Burroughs Wellcome & Co.,
The Wellcome Building,
Euston Road, London, N.W.1

C 9646

FIRST-CLASS Sales Representatives with established connections amongst stores and chemists are offered excellent opportunities for nationally advertised cosmetics and perfumes. Basic salary and high commission rate. London and Birmingham areas. Please write giving full particulars, also districts covered to Box C 9574.

PHARMACEUTICAL CHEMIST required to work on the development of pharmaceutical specialities. Practical knowledge of modern tableting and other pharmaceutical procedures desirable. Progressive post for man with initiative and ability. Five-day week, pension scheme. Salary in accordance with qualifications and experience. Apply with full details to: The Director of Research, A. Wander, Ltd., King's Langley, Herts.

C 9627

DRUG STORE MANAGEMENT

Assistant General Manager required for the retail and wholesale drug and allied goods store of a large shopkeeping organisation in British Guiana. The post is a responsible one; the department is expanding and should continue to develop; and there are good opportunities for promotion within the organisation. Applications will be considered from pharmacists with experience of shop management, or from applicants who, though not qualified, have extensive experience of managing a retail Chemists. Salary will be according to experience and qualifications, but not less than £2,000 per annum. Home leave every two years; full passages for family paid both on appointment and on leave; excellent pension scheme. Generous allowance to cover cost of moving; other service conditions of high standard. Please apply in writing, giving full details, to The Secretary, Campbell Booker Holdings, Ltd., Bucklersbury House, 83 Cannon Street, London, E.C.4.

C 9633

RIKER LABORATORIES LTD.

NEW ZEALAND REPRESENTATIVE

Riker Laboratories Limited wish to appoint their first Medical Representative for New Zealand. This post presents an exceptional opportunity for the right man as it is expected that the representative force in New Zealand will be enlarged and operated under his supervision.

Applications are invited from New Zealand pharmacists wishing to return home or from pharmacists with representative experience in this country wishing to emigrate to New Zealand. Full training will be given in England and free passage to New Zealand for the successful applicant and his family will be provided. Apply in writing, in the first instance, to the Personnel Manager, Riker Laboratories Limited, Loughborough, Leics.

C 9583

LEDERLE LABORATORIES DIVISION CYANAMID OF GREAT BRITAIN LTD.

MEDICAL REPRESENTATIVES

in all areas of the United Kingdom

These appointments provide opportunities to men with initiative in an established and rapidly expanding organisation.
Preference will be given to applicants with a pharmaceutical or medical background and/or previous selling experience in this field. Age preferred 25-30.
The positions carry a good commencing salary; an excellent pension and insurance scheme is operated and a Company car plus travelling expenses provided.
The detailed applications which will be acknowledged should be addressed, in complete confidence, to:

PERSONNEL MANAGER
CYANAMID OF GREAT BRITAIN LIMITED
Bush House, London, W.C.2

C 9636

Situations Vacant — Contd.

ESTABLISHED manufacturer wishes to appoint sole selling agents calling on large multiples, chemists, wholesalers, etc. Willing to manufacture under customers' own name if desired. Competitive prices ensure large sales. Apply with details of connection to Box C 9611.

FIRST-CLASS REPRESENTATIVE required for the London area by progressive cosmetic company with fast selling popular lines. Must have good retail connections with leading stores, chemists, Co-ops, etc., and wholesalers. Attractive salary, commission, car allowance to the right person. Reply immediately with full details. Box C 9648.

PROCESS WORKER. Experienced in manufacture of pharmaceutical ointments, emulsions. Good salary and conditions. Apply giving full particulars to Biorex Laboratories, Ltd., 47/51 Exmouth Market, London, E.C.1. Terminus 9494. C 9637

REPRESENTATIVE required for the Midlands, to call on retail chemists. Apply: Arthur H. Cox & Co., Ltd., 93 Lewes Road, Brighton. C 9640

ROCHE

THE CHANCE OF A STEADY CAREER

Opportunities are offered to outstanding young men with drive and initiative wishing to start as medical representatives. A pharmaceutical qualification/experience or equivalent academic attainment essential. Vacancies occur in:
1. **London, East, and Essex.**
2. **Leicester; South Staffordshire.**

Good salary, exceptional pension scheme, full expenses; successful applicants are assisted to own their own cars. First-class candidates desiring success and security should apply with full details to the Secretary, Roche Products, Limited, 15 Manchester Square, London, W.1. Applications will be treated as confidential. C 9618

MANAGER for pricing and order offices. Must have a comprehensive and up-to-date knowledge of the trade, particularly ethicals. Pension scheme in operation. Please submit details of experience and present salary, in confidence, to the Secretary, Messrs. Smith & Hill (Chemists), Limited, Matilda Street, Sheffield, 1. C 2391

SALES SUPERVISOR

Manufacturing chemists situated in London invite applications for the post of Sales Supervisor.

The Company, which has a well-established connection with wholesale and retail chemists, is seeking to expand its sales of branded and packed lines, which are at present handled by a comparatively small sales force operating nationally. The successful applicant will be responsible directly to the Managing Director in the supervision of the sales force and the general promotion of sales.

Applicants should have a good knowledge of the chemist trade, and it is desirable, though not essential, that they should have some pharmaceutical qualification.

The position, which is a progressive and responsible one, will carry an appropriate four-figure salary, and participation in a superannuation fund.
All replies will be treated confidentially.
Write with full details of experience, age, etc., to Box C 9632, C. Vernon & Sons, Ltd., 178-202 Great Portland Street, W.1.

TABLET MAKER. Sandoz Products, Ltd., have a vacancy for a first-class tablet maker, able to work in any section and to deputise for foreman when necessary. Knowledge of syrup manufacture an additional advantage. Excellent conditions and pay. Apply: Manager, Pharmaceutical Dept., Sandoz Products, Ltd., Calverley Lane, Horsforth, nr. Leeds. C 2388

SURGICAL FITTER experienced female required. Eagle Surgical Co., Ltd., 17-20 Romford Arcade, South Street, Romford, Essex. Phone: 42476. C 2386

TABLET MAKER with experience of making and coating official tablets required by Midland manufacturing chemists. Modern factory and equipment. Box C 9631.

WORKS ENGINEER required by manufacturing chemists in North London. Must have wide range of experience with machines for packaging and manufacturing of liquids, creams and tablets. Will be required to be responsible for equipment and establish routine system of maintenance. Must be able to instruct and control staff. State fully experience and machines with which fully conversant. Box C 9647.

AGENTS WANTED

FIRST-CLASS AGENTS required for the following areas:—West England — Wales, Midlands, N.E. territories—by progressive cosmetic company with fast selling popular lines. Good retail connection an advantage. Generous commission on both retail and wholesale trading. Reply immediately with full details. Box C 9649.

M.A.A.—The Badge of a good manufacturers' agent. Manufacturers requiring reputable agents are invited to communicate with the Secretary, The Manufacturers' Agents' Association of Great Britain & Ireland (Inc.), Bream's Buildings, E.C.4. Membership available to established agents only. Particulars supplied. C 4

SITUATIONS WANTED

RETAIL (HOME)

PHARMACIST/CHIROPODIST, M.P.S.N.I., M.S.S.Ch., seeks suitable position in England from mid-October. Accommodation in pleasant surroundings essential. Please reply stating full terms and salary to Box C 2370.

Situations Wanted—Continued

WHOLESALE

35 YEARS' experience dispensing, counter. West End, City, locally, seeks wholesale or representative position. Would consider retail with Saturday half-day. Box C 2384.

PHARMACIST, for many years successful retailer, own business, wishes change as medical representative or sales director with progressive firm. Position must give scope for energy and drive. Age 48. Irish qualification. Box C 2365.

WHOLESALE (OVERSEAS)

EUROPEAN COMMON MARKET. British chemical and/or pharmaceutical manufacturers contemplating the establishment in Holland of a subsidiary company are invited to contact young energetic Dutchman, having extensive practical chemical, pharmaceutical, and commercial experience and commanding three languages, desirous to join as buyer, representative, correspondent or translator. British and Dutch references available. Also willing to join a progressive company in Great Britain in any of the above functions. Letters, Box C 2371.

MALTA. Thirty-seven-year-old qualified chemist and fifth-year medical student, owner of pharmacies, very active and enterprising, with many contacts, offers services as medical and/or sales representative in Malta to major pharmaceutical firm. Box C 2364.

AGENCIES WANTED

AGENT, firmly established with wholesale and retail chemists, departmentals, etc., in Lancashire, Cheshire and North Wales, offers energetic representation on a commission basis. Phone, car, etc. Box C 2385.

BUSINESS OPPORTUNITIES

FAMILY PLANNING. Reputable manufacturers of contraceptive tablets wishing to expand sales, would like to contact firm of distributors prepared to handle the product in the home and/or export markets. Reply to Box C 9629.

DO YOU BELIEVE IN ADVERTISING?

Have you a product, new or established, which you think will respond to advertising? If so I will bear the *ENTIRE* cost of a test campaign provided reasonable terms can be agreed for the future. Brief details in confidence to Box C 2387.

PHARMACEUTICAL house requires small to medium size proprietary article capable of expansion, preferably located in Yorkshire or Lancashire. Full details in confidence to Box C 2390.

SILICONE Rubber Bungs, tubing, sheet, bottle cap liners, washers and mouldings made to specification. Esco (Rubber), Ltd., 34-36 Somerford Grove, London, N.16. C 241

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ALL KINDS OF BOTTLES, JARS, SCREW CAPS, cartons, packaging materials and manufacturers' stocks of all kinds bought at fair prices for spot cash. We are buyers of merchandise of EVERY DESCRIPTION. Clearance Stocks. Discontinued lines. Surplus and Redundant Stocks. Should you have anything for disposal, please send us samples and particulars. Reliance Trading Co., 75 Fairfax Road, Swiss Cottage, London, N.W.6. Tel.: Kilburn 0581 and 0038. C 153

BUYER specialises in disposing of job lots of any lines appertaining to pharmacy. Any quantity considered. Prompt cash settlement. Willing to discuss adaptation of any line which is not quite suitable in its present state. Please send samples and full details to N. Morris, 218 Walworth Road, S.E.17. Tel. No.: ROD. 7261. C 395

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Bankers: Midland Bank, Ltd.
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WANTED. Surplus small size polythene bottles. C 2389.

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing, raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone:—Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Bayswater 4020 and 7692. C 140

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12,000 4-hourly charts and 6,000 Michel Clips for sale. What offers? Hatrick, 170 Archway Road, London, N.6. C 2383

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KENNETT PRICE MARKERS
are ultra smart, beautifully designed solid plastic markers that will really sell your goods. Send now for free samples, absolutely no obligation. 55 Eastgate Street, Winchester, Hants. C 409

SHELF UNITS. 6 shelves per unit. Ideal for storage. 75H x 36W x 12D at 75s. each. 75H x 36W x 15D at 84s. each. 75H x 36W x 18D at 89s. each. James Bedford & Co. (Hx.), Ltd., Sowerby Bridge, Yorks. C 2351

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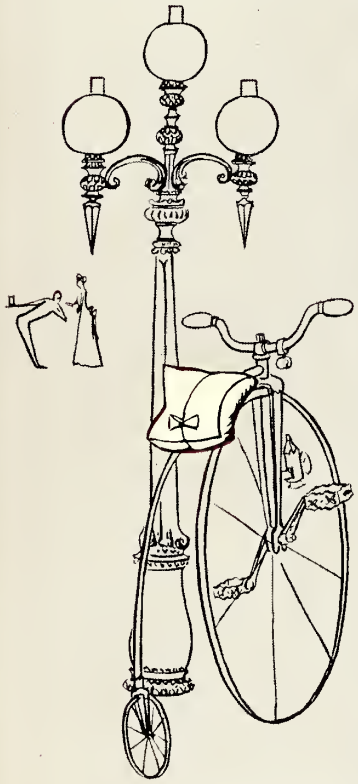
PROCTOSEDYL

ROUSSEL

for haemorrhoids



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Hydrocortisone	5 mg.
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Non-staining excipient q.s. for one suppository.

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Treatment of internal and external hæmorrhoids
Complications of hæmorrhoids: anal pruritus, peri-anal eczema, proctitis, acute fissure
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The CHEMIST AND DRUGGIST
SEPTEMBER 5 1959

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